

# EXHIBIT J

**EXHIBIT 11**  
**UNREDACTED VERSION**  
**OF DOCUMENT SOUGHT**  
**TO BE SEALED**



UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA  
SAN JOSE DIVISION

CISCO SYSTEMS, INC.,

Plaintiff,

v.

ARISTA NETWORKS, INC.,

Defendant.

Case No. 5:14-cv-05344-BLF (PSG)

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**REBUTTAL EXPERT REPORT OF JOHN R. BLACK, JR.**

**June 17, 2016**

**CONTAINS HIGHLY CONFIDENTIAL MATERIAL  
SUBJECT TO PROTECTIVE ORDER**

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A handwritten signature in black ink, appearing to read 'J. Black, Jr.', with a stylized, cursive script.

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**John R. Black, Jr.**

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Copying-2, when they differ in hyphenation.<sup>30</sup> Similarly, Prof. Almeroth lists “clear mac-address-table dynamic” (Cisco’s asserted command abstraction) and “clear mac address-table dynamic” (the accused Arista command abstraction) as being “identical” in Exhibit Copying-2, when they differ in hyphenation. Prof. Almeroth also lists “show policy-map control-plane” (Cisco’s asserted command abstraction) and “show policy-map type control-plane” (the accused Arista command abstraction) as being “identical” in Exhibit Copying-2, when they contain different words. And Prof. Almeroth lists “show policy-map interface” (Cisco’s asserted command abstraction) and “show policy-map interface type qos” (the accused Arista command abstraction) as being “identical” in Exhibit Copying-2, when they contain different words. I do not agree with Prof. Almeroth that these command abstractions are “identical” as he indicates in Exhibit Copying-2 to his opening report.

94. I also note that I could not find the asserted and accused command abstraction “timers throttle spf” in the Arista User Manual Version 4.15.3F (Nov. 20, 2015), and I must assume Prof. Almeroth also could not find it since the page number is left blank for this command abstraction in Exhibit Copying-2 to the Almeroth Opening Report. *See* Arista User Manual Version 4.15.3F (CSI-CLI-06302874).

95. Moreover, as shown in **Appendix N**, which shows excerpts from the Arista User Manual for every accused command abstraction showing the full command syntax, the actual CLI commands supported by the Arista EOS CLI is, for the vast majority of accused command abstractions, very different and far more complicated from what Prof. Almeroth lists out and accuses in his Exhibit Copying-2. These differences between the full syntax of the accused

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<sup>30</sup> While Exhibit F to Cisco’s discovery responses and Exhibit 1 to the Second Amended Complaint listed “ip domain-name” as Cisco’s command abstraction, Cisco’s command reference manuals appear to show “ip domain name” (without the hyphen) as a command abstraction. *See* CSI-CLI-00220355 at Page 375. I have amended Appendix H for several vendors to include both the asserted “ip domain name” and accused “ip domain-name” command abstractions.

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Arista CLI commands and the accused command abstractions shows how insubstantial the accused command abstractions are to the actual CLI commands supported in EOS, and how *dissimilar* the asserted and accused CLI elements are when one looks at the actual full syntax, including all optional parameters, of the asserted and accused command abstractions<sup>31</sup>.

Moreover, the Cisco documented command syntaxes are also different from the asserted command abstractions, and often differs between Cisco operating systems. The fact that neither Cisco nor Prof. Almeroth has identified which specific documented Cisco command syntax corresponds to each asserted command abstraction, and the specific Cisco manual it appears in, is another omission in Cisco's assertions. For example, Cisco asserts two different "show ip bgp neighbors" command abstractions (*see* Exhibit Copying-2), but does not show where those two different command abstractions are documented anywhere.

96. Similarly, Prof. Almeroth readily acknowledges that the asserted Cisco command modes and prompts differ on their face from the accused Arista EOS command modes and prompts. *See* Almeroth Opening Report ¶ 183 (acknowledging that two of the modes are not identical because Arista chose to use "EXEC" instead of "User EXEC" and "Privileged EXEC" instead of "EXEC"); *see also* Exhibit Copying-4. I agree that those modes are not the same.

97. However, Prof. Almeroth ignores other dissimilarities in his report. For example, Prof. Almeroth claims that "there are no differences" between the command prompts in Cisco's CLIs and the Arista EOS CLI, except that for Cisco's router prompts (which use the term "router" in the prompts), Arista's prompts use the term "switch." *See* Almeroth Opening Report

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<sup>31</sup> Appendix N lays out in a table the command abstractions for Cisco and Arista, then shows the Arista Manual excerpt for the command in question. In the final column there is a "Yes" or "No" that indicates whether the command abstraction is a valid command on its own; in other words, the "Yes" or "No" indicates whether the command abstraction is an actual issuable command as it is written. Note that even in the cases where a command has a "Yes" in the last column, the valid command itself is often just one form derivable from the listed regular expression that often includes many more possible inflections.

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136. Further, while the command abstractions chosen by Cisco share keywords in common with commands found in the Arista CLI,<sup>53</sup> the syntax of the actual Arista commands very often differs from the analogous commands found in the various Cisco CLIs (*see Appendix N*). This further supports my opinion that Arista’s use of existing CLI features is transformative, and further supports my opinion, also expressed in my Opening Report<sup>54</sup>, that for the third fair use factor (“the amount and substantiality of the portion used”) the true overlap is minimal.

137. For similar reasons, Cisco’s broad assertions of copyright over what are essentially functional features of its CLI and which constitute methods of operation and systems of organizing commands is, in my opinion, copyright misuse. Via its allegations and infringement contentions, Cisco is essentially attempting to use the copyright system to gain a monopoly on *any* hierarchical mode-based CLI. Prof. Almeroth describes for us what a CLI is (“a text-based input **system**”, Almeroth Opening Report ¶ 50, *emphasis added*), how the parser functions (by **processing** tokens, as explained in Almeroth Opening Report ¶ 84, *emphasis added*), and how hierarchies are formulated (by **organizing** commands as opposed to not organizing them, as explained in Almeroth Opening Report ¶ 54, *emphasis added*). But in every respect, these functionalities related to the CLI’s *method of operation*. The only expressive aspect of these functionalities is the source code that implements the corresponding features, and the source code implementing these features is indisputably different between Cisco IOS and Arista EOS.

138. Prof. Almeroth, in ¶¶ 168-169 of his Opening Report, notes that Arista has admitted using the 500+ “command expressions” asserted by Arista. However, as extensively

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<sup>53</sup> As well as with command found in an array of CLIs from other vendors

<sup>54</sup> *See* Opening Report ¶¶ 687-696

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discussed in my Opening Report<sup>55</sup>, many of the command abstractions asserted and accused by Cisco in its various pleadings are not used by Arista. Moreover, in many cases those CLI commands bearing a similarity to Arista's CLI commands have a markedly different purpose and implement distinct functionality. And once again, a closer analysis of the specific asserted command abstractions and the full syntax of the associated command reveals many significant distinctions as shown in **Appendix N** to this Rebuttal Report.

139. Prof. Almeroth concludes that superficial similarities between the Cisco CLI syntax and the Arista CLI syntax proves that the underlying functionalities must be identical: "When I input the commands, the Arista switch running EOS provided an output or response (not an error message) with the same look and feel as if I had inputted the commands into a Cisco device, which tells me that the multi-word command expressions are used in Arista's EOS in **precisely the same way** as they are in Cisco's IOS [...]" (Almeroth Opening Report ¶ 174, emphasis added). As just detailed, a closer analysis is appropriate here because in many cases syntactically-similar CLI commands often have distinct functional differences.

140. I also note that the vast majority of networking equipment vendors support the same eleven accused command hierarchies identified by Prof. Almeroth in his opening report. *See* Almeroth Opening Report ¶ 186 (listing, as the accused command hierarchy, the "aaa" command hierarchy, "bgp" command hierarchy, "clear" command hierarchy, "dot1x" command hierarchy, "ip" command hierarchy, "ipv6" command hierarchy, "neighbor" command hierarchy, "show" command hierarchy, "snmp-server" command hierarchy, "spanning-tree" command hierarchy, and "vrrp" command hierarchy); *see also* Exhibit Copying-5 (listing disputed command abstractions in eleven separate lists corresponding to these eleven hierarchies). As

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<sup>55</sup> *See* Opening Report ¶¶ 484-497.

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177. I also note that the log files provided by Prof. Almeroth (“arista-7010.txt”, and “arista-7554.txt”) illustrate my opinion that the accused command extractions are *not* syntactically valid and complete CLI commands, and that when the valid Arista EOS CLI commands are actually examined, many of them are very different from what has been accused by Cisco in this litigation. For example, “snmp-server user tech-1 tech-sup v3” and “network 10.0.0.0 0.255.255.255 area 0” are very different from the asserted and accused command abstractions “snmp-server user” and “network area.” Had Prof. Almeroth performed this exercise for all 508 accused command abstractions, it should show that the text that is actually entered into and accepted by the Arista EOS CLI is, in most instances, different from what is shown in the list of accused command abstractions. This is illustrated more fully in **Appendix N**, which shows the full documented Arista EOS command syntaxes for the accused command abstractions. In addition, the log files provided by Prof. Almeroth show that the EOS command prompts are not simply “switch#” or “switch(config)#” but are actually specific to the device (e.g., “localhost(s1)#” in “arista-7554.txt” and “localhost#” in “arista-7010.txt”).

178. Moreover, I strongly disagree that the accused multi-word command abstractions are used in Arista’s EOS in “precisely the same way” as they are in Cisco’s IOS, and that a user would “have a hard time knowing they were using an Arista switch instead of a Cisco switch.” See Almeroth Opening Report ¶¶ 173-174. As explained in detail in my Opening Report, Arista’s products have several innovative features that distinguish it from competing products, including Cisco IOS, and those differences support my already stated opinions regarding fair use and, in particular, transformative use. See Opening Report ¶¶ 126-168 (technical description of Arista EOS and its various innovations), ¶¶ 672-680 (discussing the fair use doctrine). Given those many differences, I disagree that a user of an Arista switch would have a “have a hard time

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knowing they were using an Arista switch instead of a Cisco switch” as Prof. Almeroth asserts. The accused multi-word command abstractions are also ***not*** used in Arista’s EOS in “precisely the same way” as they are in Cisco’s IOS. Indeed, as shown in **Appendix N**, above, a large number of the accused command abstractions are not valid commands that are “used” in Arista EOS to begin with.

***D. Prof. Almeroth did not provide any evidence or criteria when determining that the CLIs of other vendors are “different” from Cisco’s CLI, nor does he explain why the differences between the Arista CLI and the Cisco CLI do not qualify as “different” as well***

179. In ¶ 119 of his Opening Report, Prof. Almeroth claims that other vendors offer different CLIs with different commands: “[...] the fact that there are other competitors in the market that implement different CLIs—e.g., Juniper Networks, HP, Brocade, Alcatel-Lucent, and Extreme, among others—with different commands [...]”. However, Prof. Almeroth does not explain the analysis used to measure the degree of difference between the Cisco CLI and each of the exemplary vendor CLIs he lists, nor does he explain what these “different commands” are that he identified and why these different commands were sufficient to reach his conclusion that the CLIs were different. There are indisputably different commands between the Cisco CLI and the Arista CLI, but Prof. Almeroth does not explain why he (presumably) does not consider these “different commands” enough to conclude that the Cisco CLI and Arista CLI are different as well.

180. If Prof. Almeroth considers the exemplary vendor CLIs listed above (*i.e.*, Juniper, HP, Brocade, Alcatel-Lucent, and Extreme) sufficiently “different” from the Cisco CLI, then one can presume that Prof. Almeroth agrees that the overlap in command abstractions, hierarchies, command modes, and command prompts between each of the listed vendor’s CLIs and Cisco’s

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
aaa accounting	aaa accounting	<p><b>Command Syntax</b></p> <pre>aaa accounting TYPE CONNECTION MODE [METHOD_1] [METHOD_2] ... [METHOD_N] no aaa accounting TYPE CONNECTION default aaa accounting TYPE CONNECTION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>TYPE</b> authorization type for which the command specifies a method list. Options include: <ul style="list-style-type: none"> <li>— EXEC records user authentication events.</li> <li>— COMMANDS ALL records all entered commands.</li> <li>— COMMANDS <i>level</i> records entered commands of the specified <i>level</i> (ranges from 0 to 15).</li> </ul> </li> <li>• <b>CONNECTION</b> connection type of sessions for which method lists are reported. Options include: <ul style="list-style-type: none"> <li>— console console connection.</li> <li>— default all connections not covered by other command options.</li> </ul> </li> <li>• <b>MODE</b> accounting mode that defines when accounting notices are sent. Options include: <ul style="list-style-type: none"> <li>— none no notices are sent.</li> <li>— start-stop a <i>start</i> notice is sent when a process begins; a <i>stop</i> notice is sent when it ends.</li> <li>— stop-only a <i>stop</i> accounting record is generated after a process successfully completes.</li> </ul> </li> <li>• <b>METHOD_X</b> server groups (methods) to which the switch can send accounting records. The switch sends the method list to the first listed group that is available.</li> </ul> <p>Parameter value is not specified if <b>MODE</b> is set to <i>none</i>. If <b>MODE</b> is not set to <i>none</i>, the command must provide at least one method. Each method is composed of one of the following:</p> <ul style="list-style-type: none"> <li>— group <i>name</i> the server group identified by <i>name</i>.</li> <li>— group radius server group that includes all defined RADIUS hosts.</li> <li>— group tacacs+ server group that includes all defined TACACS+ hosts.</li> <li>— logging log all accounting messages to syslog.</li> </ul>	No



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aaa accounting dot1x	aaa accounting dot1x	<p><b>Command Syntax</b></p> <pre>aaa accounting dot1x default <i>MODE</i> [<i>METHOD_1</i>] [<i>METHOD_2</i>] ... [<i>METHOD_N</i>] no aaa accounting dot1x default default aaa accounting dot1x default</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>MODE</i> accounting mode that defines when accounting notices are sent. Options include: <ul style="list-style-type: none"> <li>— <i>start-stop</i> a <i>start</i> notice is sent when a process begins; a <i>stop</i> notice is sent when it ends.</li> </ul> </li> <li>• <i>METHOD_X</i> server groups (methods) to which the switch can send accounting records. The switch sends the method list to the first listed group that is available.</li> </ul> <p>Parameter value is not specified if <i>MODE</i> is set to <i>none</i>. If <i>MODE</i> is not set to <i>none</i>, the command must provide at least one method. Each method is composed of one of the following:</p> <ul style="list-style-type: none"> <li>— <i>group name</i> the server group identified by <i>name</i>.</li> <li>— <i>group radius</i> server group that includes all defined RADIUS hosts.</li> <li>— <i>logging</i> server group that includes all defined TACACS+ hosts.</li> </ul>	No
aaa authentication login	aaa authentication login	<p><b>Command Syntax</b></p> <pre>aaa authentication login <i>CONNECTION</i> <i>SERVICE_1</i> [<i>SERVICE_2</i>] ... [<i>SERVICE_N</i>] no aaa authentication login <i>CONNECTION</i> default aaa authentication login <i>CONNECTION</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>CONNECTION</i> connection type of sessions for which authentication list is used <ul style="list-style-type: none"> <li>— <i>default</i> the default authentication list.</li> <li>— <i>console</i> the authentication list for console logins.</li> </ul> </li> <li>• <i>SERVICE_X</i> an authentication service. Settings include: <ul style="list-style-type: none"> <li>— <i>group name</i> identifies a previously defined server group.</li> <li>— <i>group radius</i> a server group that consists of all defined RADIUS hosts.</li> <li>— <i>group tacacs+</i> a server group that consists of all defined TACACS+ hosts.</li> <li>— <i>local</i> local authentication.</li> <li>— <i>none</i> the switch does not perform authentication. All access attempts succeed.</li> </ul> </li> </ul>	No

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Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
aaa authorization config- commands	aaa authorization config- commands	<b>Command Syntax</b> <code>aaa authorization config-commands</code> <code>no aaa authorization config-commands</code> <code>default aaa authorization config-commands</code>	Yes
aaa authorization console	aaa authorization console	<b>Command Syntax</b> <code>aaa authorization console</code> <code>no aaa authorization console</code> <code>default aaa authorization console</code>	Yes
aaa group server radius	aaa group server radius	<b>Command Syntax</b> <code>aaa group server radius group_name</code> <code>no aaa group server radius group_name</code> <code>default aaa group server radius group_name</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><code>group_name</code> name (text string) assigned to the group. Cannot be identical to a name already assigned to a TACACS+ server group.</li> </ul>	No

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aaa group server tacacs+	aaa group server tacacs+	<p><b>Command Syntax</b></p> <pre>aaa group server tacacs+ group_name no aaa group server tacacs+ group_name default aaa group server tacacs+ group_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group_name</i> name (text string) assigned to the group. Cannot be identical to a name already assigned to a RADIUS server group.</li> </ul>	No
address-family	address-family	<p><b>Command Syntax</b></p> <pre>bgp ADDRESS_TYPE no bgp ADDRESS_TYPE default bgp ADDRESS_TYPE</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>ADDRESS_FAMILY</i> Address family affected by subsequent commands. Options include: <ul style="list-style-type: none"> <li>— <b>ipv4</b> IPv4 unicast</li> <li>— <b>ipv6</b> IPv6 unicast</li> </ul> </li> </ul> <p><b>Example</b></p> <ul style="list-style-type: none"> <li>These commands enter address family mode for IPv6-unicast, insert a command, then exit the mode: <pre>switch(config)#router bgp 1 switch(config-router-bgp)#address-family ipv6 switch(config-router-bgp-af)#neighbor 172.10.1.1 activate switch(config-router-bgp-af)#exit switch(config-router-bgp)#</pre> </li> </ul>	No

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aggregate-address	aggregate-address	<p><b>Command Syntax</b></p> <pre>aggregate-address AGGREGATE_NET [AS_SET] [SUMMARY] [ATTRIBUTE_MAP] [MATCH_MAP] no aggregate-address AGGREGATE_NET default aggregate-address AGGREGATE_NET</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>AGGREGATE_NET</b> aggregate route IP address. Options include: <ul style="list-style-type: none"> <li>— <i>netv4_addr</i> IPv4 subnet address (CIDR or address-mask notation).</li> <li>— <i>netv6_addr</i> IPv6 subnet address (CIDR notation).</li> </ul> </li> <li>• <b>AS_SET</b> controls AS_PATH attribute values associated with aggregate route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; ATOMIC_AGGREGATE attribute is set. Route contains no AS_PATH data.</li> <li>— <b>as-set</b> route includes AS_PATH information from contributor routes as AS_SET attributes.</li> </ul> </li> <li>• <b>SUMMARY</b> controls advertisement of contributor routes. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; contributor and aggregate routes are advertised.</li> <li>— <b>summary-only</b> contributor routes are not advertised.</li> </ul> </li> <li>• <b>ATTRIBUTE_MAP</b> controls attribute assignments to the aggregate route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; attribute values are not assigned to route.</li> <li>— <b>attribute-map</b> <i>map_name</i> assigns attribute values in set commands of the map's permit clauses. Deny clauses and match commands in permit clauses are ignored.</li> </ul> </li> <li>• <b>MATCH_MAP</b> filters contributors to the aggregate route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; no contributors are filtered.</li> <li>— <b>match-map</b> <i>map_name</i> filters contributor routes using the named match-map.</li> </ul> </li> </ul>	No

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Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area default-cost	area default-cost (OSPFv3)	<p><b>Command Syntax</b></p> <pre>area area_id default-cost def_cost no area area_id default-cost default area area_id default-cost</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>area_id</i> area number. &lt;0 to 4294967295&gt; or &lt;0.0.0.0 to 255.255.255.255&gt; <i>Running-config</i> stores value in dotted decimal notation.</li> <li>• <i>def_cost</i> Values range from 1 to 65535.</li> </ul>	No
area default-cost	area default-cost (OSPFv2)	<p><b>Command Syntax</b></p> <pre>area area_id default-cost def_cost no area area_id default-cost default area area_id default-cost</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>area_id</i> area number. &lt;0 to 4294967295&gt; or &lt;0.0.0.0 to 255.255.255.255&gt; <i>running-config</i> stores value in dotted decimal notation.</li> <li>• <i>def_cost</i> Value ranges from 1 to 65535. Default value is 10.</li> </ul>	No

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area nssa	area nssa (OSPFv2)	<p><b>Command Syntax</b></p> <pre>area area_id nssa [TYPE] no area area_id nssa [TYPE] default area area_id nssa [TYPE]</pre> <p>All parameters except <i>area_id</i> can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>area_id</i> Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt; Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>. <i>running-config</i> stores value in dotted decimal notation.</li> <li><i>TYPE</i> area type. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>nssa-only</b></li> </ul> </li> </ul>	No

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Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area nssa	area nssa (OSPFv3)	<p><b>Command Syntax</b></p> <pre>area area_id nssa [TYPE] no area area_id nssa [TYPE] [ default area area_id nssa [TYPE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>area_id</i> Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt; Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>. <i>Running-config</i> stores value in dotted decimal notation.</li> <li>• <i>TYPE</i></li> <li>• Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>nssa-only</b></li> </ul> </li> </ul>	No
area nssa default-information-originate	area nssa default-information-originate (OSPFv2)	<p><b>Command Syntax</b></p> <pre>area area_id nssa default-information-originate [VALUE] [TYPE] [EXCL] no area area_id nssa default-information-originate default area area_id nssa default-information-originate</pre> <p>All parameters except <i>area_id</i> can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>area_id</i> Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt; Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>. <i>running-config</i> stores value in dotted decimal notation.</li> <li>• <i>VALUE</i> Values include:</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
		<ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Default value of 1.</li> <li>— <b>metric</b> &lt;1-65535&gt;</li> <li>• <b>TYPE</b> Values include:               <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric-type</b> &lt;1-2&gt;</li> </ul> </li> <li>• <b>EXCL</b> Values include:               <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;.</li> <li>— <b>nssa-only</b></li> </ul> </li> </ul>	



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area nssa default-information-originate	area nssa default-information-originate (OSPFv3)	<p><b>Command Syntax</b></p> <pre>area area_id nssa default-information-originate [VALUE] [TYPE] [EXCL] no area area_id nssa default-information-originate [VALUE] [TYPE] [EXCL] default area area_id nssa default-information-originate [VALUE] [TYPE] [EXCL]</pre> <p>All parameters except <i>area_id</i> can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>area_id</i> <p>Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt;  Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>.  <i>Running-config</i> stores value in dotted decimal notation.</p> </li> <li><i>VALUE</i> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric</b> &lt;1-65535&gt;</li> </ul> </li> <li><i>TYPE</i> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric-type</b> &lt;1-2&gt;</li> </ul> </li> <li><i>EXCL</i> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>nssa-only</b></li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area nssa no-summary	area nssa no-summary (OSPFv2)	<p><b>Command Syntax</b></p> <pre>area area_id nssa no-summary no area area_id nssa no-summary default area area_id nssa no-summary</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>area_id area number.</li> </ul> <p>Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt;  Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>.  <i>running-config</i> stores value in dotted decimal notation.</p>	No
area nssa translate type7 always	area nssa translate type7 always (OSPFv2)	<p><b>Command Syntax</b></p> <pre>area area_id nssa translate type7 always no area_id nssa translate type7 always default area_id nssa translate type7 always</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>area_id area number.</li> </ul> <p>Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt;  Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>.  <i>running-config</i> stores value in dotted decimal notation.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area nssa translate type7 always	area nssa translate type7 always (OSPFv3)	<p><b>Command Syntax</b></p> <pre>area area_id nssa translate type7 always no area_id nssa translate type7 always default area_id nssa translate type7 always</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>area_id</li> </ul> <p>Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt; Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>. <i>Running-config</i> stores value in dotted decimal notation.</p>	No
area range	area range (OSPFv3)	<p><b>Command Syntax</b></p> <pre>area area_id range net_addr [ADVERTISE_SETTING] [COST_SETTING] no area area_id range net_addr [ADVERTISE_SETTING] [COST_SETTING] default area area_id range net_addr [ADVERTISE_SETTING] [COST_SETTING]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>area_id &lt;0 to 4294967295&gt; or &lt;0.0.0.0 to 255.255.255.255&gt;</li> <li>net_addr</li> <li>ADVERTISE_SETTING specifies the LSA advertising activity. Values include <ul style="list-style-type: none"> <li>&lt;no parameter&gt;</li> <li>advertise</li> <li>not-advertise</li> </ul> </li> <li>COST_SETTING Values include <ul style="list-style-type: none"> <li>&lt;no parameter&gt;</li> <li>cost range_cost Value ranges from 1 to 65535.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area range	area range (OSPFv2)	<p><b>Command Syntax</b></p> <pre> area area_id range net_addr [ADVERTISE_SETTING] [COST_SETTING] no area area_id range net_addr [ADVERTISE_SETTING] [COST_SETTING] default area area_id range net_addr [ADVERTISE_SETTING] [COST_SETTING] </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>area_id</i> area number. &lt;0 to 4294967295&gt; or &lt;0.0.0.0 to 255.255.255.255&gt;  <i>running-config</i> stores value in dotted decimal notation.</li> <li>• <i>net_addr</i></li> <li>• <i>ADVERTISE_SETTING</i> Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— advertise</li> <li>— not-advertise</li> </ul> </li> <li>• <i>COST_SETTING</i> Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>cost range_cost</i> Value ranges from 1 to 65535.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
area stub	area stub (OSPFv2)	<p><b>Command Syntax</b></p> <pre>area area_id stub [summarize] no area area_id stub [summarize] default area area_id stub [summarize]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>area_id</i> area number. Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt; Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>. <i>running-config</i> stores value in dotted decimal notation.</li> <li><i>SUMMARIZE</i> area type. Values include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt;</li> <li>no-summary</li> </ul> </li> </ul>	No
area stub	area stub (OSPFv3)	<p><b>Command Syntax</b></p> <pre>area area_id stub no area area_id stub default area area_id stub</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>area_id</i> Valid formats: integer &lt;1 to 4294967295&gt; or dotted decimal &lt;0.0.0.1 to 255.255.255.255&gt; Area 0 (or 0.0.0.0) is not configurable; it is always <i>normal</i>. <i>Running-config</i> stores value in dotted decimal notation.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
arp timeout	arp timeout	<b>Command Syntax</b> <pre>arp timeout arp_time no arp timeout default arp timeout</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>arp_time</i> ARP timeout period (seconds). Values range from 60 to 65535. Default value is 14400.</li> </ul>	No
banner login	banner login	<b>Command Syntax</b> <pre>banner login no banner login default banner login</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>banner_text</i> To configure the banner, enter a message when prompted. The message may span multiple lines. Banner text supports the following keywords: <ul style="list-style-type: none"> <li><b>\$(hostname)</b> displays the switch's host name.</li> </ul> </li> <li><b>EOF</b> To end the banner editing session, type EOF on its own line and press <b>enter</b>.</li> </ul>	No  (Requires text to be inputted)
banner motd	banner motd	<b>Command Syntax</b> <pre>banner motd no banner motd default banner motd</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>banner_text</i> To configure the banner, enter a message when prompted. The message may span multiple lines. Banner text supports this keyword: <ul style="list-style-type: none"> <li><b>\$(hostname)</b> displays the switch's host name.</li> </ul> </li> <li><b>EOF</b> To end the banner editing session, type EOF on its own line and press <b>enter</b>.</li> </ul>	No  (Requires text to be inputted)

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
bfd all-interfaces	bfd all-interfaces	<b>Command Syntax</b> bfd all-interfaces no bfd all-interfaces default bfd all-interfaces	Yes
bgp client-to-client reflection	bgp client-to-client reflection	<b>Command Syntax</b> bgp client-to-client reflection no bgp client-to-client reflection default bgp client-to-client reflection	Yes
bgp cluster-id	bgp cluster-id	<b>Command Syntax</b> bgp cluster-id <i>ID_NUM</i> no bgp cluster-id default bgp cluster-id  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>ID_NUM</i> cluster ID shared by all route reflectors in the cluster (32-bit dotted-decimal notation). Options include:               <ul style="list-style-type: none"> <li>— <i>0.0.0.1</i> to <i>255.255.255.255</i> valid cluster ID number.</li> <li>— <i>0.0.0.0</i> removes the cluster-ID from the switch. Equivalent to <b>no bgp cluster-id</b> command.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
bgp confederation identifier	bgp confederation identifier	<p><b>Command Syntax</b></p> <pre>bgp confederation identifier as_number no bgp confederation identifier default bgp confederation identifier</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>as_number</i> the ID of BGP AS confederation. Value ranges from 1 to 4294967295.</li> </ul>	No
bgp confederation peers	bgp confederation peers	<p><b>Command Syntax</b></p> <pre>bgp confederation peers as_range no bgp confederation peers as_range default bgp confederation peers as_range</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>as_range</i> the Sub-AS number.</li> </ul> <p><i>as_range</i> formats include number (from 1 to 4294967295), number range, or comma-delimited list of numbers and ranges.</p>	No
bgp listen limit	bgp listen limit	<p><b>Command Syntax</b></p> <pre>bgp listen limit maximum no bgp listen limit default bgp listen limit</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>maximum</i> the maximum number of dynamic BGP peers to be allowed on the switch. Values range from 1 to 1000; default value is 100.</li> </ul>	No



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
bgp log-neighbor-changes	bgp log-neighbor-changes	<b>Command Syntax</b> bgp log-neighbor-changes no bgp log-neighbor-changes default bgp log-neighbor-changes	Yes
bgp redistribute-internal	bgp redistribute-internal (BGP)	<b>Command Syntax</b> bgp redistribute internal no bgp redistribute internal default bgp redistribute internal	Yes
boot system	boot system	<b>Command Syntax</b> boot system <i>DEVICE</i> <i>file_path</i> <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>DEVICE</i> Location of the image file. Options include               <ul style="list-style-type: none"> <li>— <b>file:</b> file is located in the switch file directory.</li> <li>— <b>flash:</b> file is located in flash memory.</li> <li>— <b>usb1:</b> file is located on a drive inserted in the USB flash port. Available if a drive is in the port.</li> </ul> </li> <li>• <i>file_path</i> Path and name of the file.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
channel-group	channel-group	<p><b>Command Syntax</b></p> <pre>channel-group number LACP_MODE no channel-group default channel-group</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>number</i> specifies a channel group ID. Values range from 1 through 2000.</li> <li>• <i>LACP_MODE</i> specifies the interface LACP mode. Values include: <ul style="list-style-type: none"> <li>— <b>mode on</b> Interface is a static port channel, LACP disabled. Port neither verifies nor negotiates port channel membership.</li> <li>— <b>mode active</b> Interface is an active LACP port that transmits and receives LACP negotiation packets.</li> <li>— <b>mode passive</b> Interface is a passive LACP port that only responds to LACP negotiation packets.</li> </ul> </li> </ul>	No
class-map type control-plane	class-map type control-plane	<p><b>Command Syntax</b></p> <pre>class-map type control-plane match-any class_name no class-map type control-plane [match-any] class_name default class-map type control-plane [match-any] class_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>class_name</i> Name of class map.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear arp-cache	clear arp-cache	<p><b>Command Syntax</b></p> <pre>clear arp-cache [VRF_INSTANCE] [INTERFACE_NAME]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance for which arp data is refreshed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; specifies the context-active VRF.</li> <li>— <code>vrf vrf_name</code> specifies name of VRF instance. System default VRF is specified by default.</li> </ul> </li> <li>• <b>INTERFACE_NAME</b> interface upon which ARP cache entries are refreshed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All ARP cache entries.</li> <li>— <code>interface ethernet e_num</code> ARP cache entries of specified Ethernet interface.</li> <li>— <code>interface loopback l_num</code> ARP cache entries of specified loopback interface.</li> <li>— <code>interface management m_num</code> ARP cache entries of specified management interface.</li> <li>— <code>interface port-channel p_num</code> ARP cache entries of specified port-channel Interface.</li> <li>— <code>interface vlan v_num</code> ARP cache entries of specified VLAN interface.</li> <li>— <code>interface vxlan vx_num</code> VXLAN interface specified by <code>vx_num</code>.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear counters	clear counters	<p><b>Command Syntax</b></p> <pre>clear counters [INTERFACE] [SCOPE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE</b> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interface range specified by <i>vx_range</i>.</li> </ul> <p>Valid <i>e_range</i>, <i>l_range</i>, <i>m_range</i>, <i>p_range</i>, <i>v_range</i>, and <i>vx_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p> </li> <li>• <b>SCOPE</b> Duration of the reset results. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; counters are cleared on the switch.</li> <li>— <b>session</b> counters are reset only for the current session.</li> </ul> </li> </ul>	Yes
clear ip arp	clear ip arp	<p><b>Command Syntax</b></p> <pre>clear ip arp [VRF_INSTANCE] ipv4_addr</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance for which arp data is removed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; specifies the context-active VRF.</li> <li>— <b>vrf</b> <i>vrf_name</i> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> <li>• <i>ipv4_addr</i> IPv4 address of dynamic ARP entry.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear ip bgp	clear ip bgp	<p><b>Command Syntax</b></p> <pre>clear ip bgp [ACTION] [RESET_TYPE] [DATA_FLOW] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>ACTION</b> the entity upon which the clearing action is taken. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; clears the routing table, then reads in routes from designated peers.</li> <li>— * clears all BGP IPv4 sessions with the switch's peers.</li> <li>— <i>ipv4_addr</i> resets the IPv4 session with the peer at the specified IPv4 address.</li> <li>— <i>ipv6_addr</i> resets the IPv4 session with the peer at the specified IPv6 address.</li> </ul> </li> <li>• <b>RESET_TYPE</b> reconfiguration type. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; hard reset.</li> <li>— <b>soft</b> soft reset.</li> </ul> </li> <li>• <b>DATA_FLOW</b> restricts hard reset to inbound or outbound routes. Soft reset is bidirectional. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; inbound and outbound routes are reset.</li> <li>— <b>in</b> inbound routes are reset.</li> <li>— <b>out</b> outbound routes are reset.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; clears routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> clears routing table for the specified VRF.</li> <li>— <b>vrf all</b> clears routing table for all VRFs.</li> <li>— <b>vrf default</b> clears routing table for default VRF.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear ip igmp group	clear ip igmp group	<p><b>Command Syntax</b></p> <pre>clear ip igmp group [gp_addr] [interface INT_ID]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>gp_addr</i> multicast group IP address (dotted decimal notation).</li> <li>• <i>INT_ID</i> interface name. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> </ul>	Yes
clear ip mroute	clear ip mroute	<p><b>Command Syntax</b></p> <pre>clear ip mroute ENTRY_LIST</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ENTRY_LIST</i> entries that the command removes from the mroute table. Options include: <ul style="list-style-type: none"> <li>— * all route entries are removed from the table</li> <li>— <i>gp_ipv4</i> all entries for multicast group <i>gp_ipv4</i> (dotted decimal notation).</li> <li>— <i>gp_ipv4 src_ipv4</i> all entries for source (<i>src_ipv4</i>) sending to group (<i>gp_ipv4</i>).</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear ip msdp sa-cache	clear ip msdp sa-cache	<p><b>Command Syntax</b></p> <pre>clear ip msdp sa-cache [ADDRESS_FILTER]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ADDRESS_FILTER</i> IPv4 address used to select table entries for removal.</li> <li>— &lt;no parameter&gt; All SA messages</li> <li>— <i>grp_addr</i> Multicast group address (IPv4 address).</li> </ul> <p><i>grp_addr</i> must be a valid multicast address.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear ip nat translation	clear ip nat translation	<p><b>Command Syntax</b></p> <pre>clear ip nat translation [HOST_ADDR [DEST_ADDR]] [INTF] [PROT_TYPE]</pre> <p><b>Parameters</b></p> <p><i>DEST_ADDR</i> immediately follows <i>HOST_ADDR</i>. All other parameters, including <i>HOST_ADDR</i>, may be placed in any order.</p> <ul style="list-style-type: none"> <li>• <i>HOST_ADDR</i> Host address to be modified. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All packets with specified destination address are cleared.</li> <li>— <b>address local_ipv4</b> IPv4 address.</li> <li>— <b>address local_ipv4 local_port</b> IPv4 address and port (port value ranges from 1 to 65535).</li> </ul> </li> <li>• <i>DEST_ADDR</i> Destination address of translated packet. Destination address can be entered only when the <i>HOST_ADDR</i> is specified. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All packets with specified destination address are cleared.</li> <li>— <i>global_ipv4</i> IPv4 address.</li> <li>— <i>global_ipv4 global_port</i> IPv4 address and port (port value ranges from 1 to 65535).</li> </ul> </li> <li>• <i>INTF</i> Route source. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All packets with specified destination address are cleared.</li> <li>— <b>interface ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>interface management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>interface vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> <li>• <i>PROT_TYPE</i> Filters packets based on protocol type. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All packets with specified destination address are cleared.</li> <li>— <b>tcp</b> TCP packets with specified destination address are cleared.</li> <li>— <b>udp</b> UDP packets with specified destination address are cleared.</li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear ip ospf neighbor	clear ip ospf neighbor	<p><b>Command Syntax</b></p> <pre>clear ip ospf [<i>PROCESS_ID</i>] neighbor[<i>LOCATION</i>] [<i>VRF_INSTANCE</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PROCESS_ID</i> OSPFv2 process ID. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— &lt;1 to 65535&gt;</li> </ul> </li> <li>• <i>LOCATION</i> IP address or interface peer group name. Values include: <ul style="list-style-type: none"> <li>— * clears all OSPF IPv4 neighbors.</li> <li>— <i>ipv4_addr</i></li> <li>— <b>ethernet</b> <i>e_num</i></li> <li>— <b>loopback</b> <i>l_num</i></li> <li>— <b>port-channel</b> <i>p_num</i></li> <li>— <b>vlan</b> <i>v_num</i></li> </ul> </li> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear ipv6 neighbors	clear ipv6 neighbors	<p><b>Command Syntax</b></p> <pre>clear ipv6 neighbors [PORT] [DYNAMIC_IPV6]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>PORT</b> Interface through which neighbor is accessed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all dynamic entries are removed.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <b>DYNAMIC_IPV6</b> Address of entry removed by the command. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all dynamic entries for specified interface are removed.</li> <li>— <i>ipv6_addr</i> IPv6 address of entry.</li> </ul> </li> </ul>	Yes
clear ipv6 ospf force-spf	clear ipv6 ospf force-spf	<p><b>Command Syntax</b></p> <pre>clear ipv6 ospf force-spf</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear lldp counters	clear lldp counters	<p><b>Command Syntax</b>  <code>clear lldp counters [SCOPE]</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>SCOPE</b> Session affected by command. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command affects counters on all CLI sessions.</li> <li>— <b>session</b> clears LLDP counters for the current CLI session only.</li> </ul> </li> </ul>	Yes
clear lldp table	clear lldp table	<p><b>Command Syntax</b>  <code>clear lldp table</code></p>	Yes
clear mac-address-table dynamic	clear mac address-table dynamic	<p><b>Command Syntax</b>  <code>clear mac address-table dynamic [VLANs] [INTERFACE]</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VLANs</b> Table entries are cleared for specified VLANs. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all VLANs.</li> <li>— <b>vlan v_num</b> VLAN specified by <i>v_num</i>.</li> </ul> </li> <li>• <b>INTERFACE</b> Table entries are cleared for specified interfaces. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all Ethernet and port channel interfaces.</li> <li>— <b>interface ethernet e_range</b> Ethernet interfaces specified by <i>e_range</i>.</li> <li>— <b>interface port-channel p_range</b> port channel interfaces specified by <i>p_range</i>.</li> <li>— <b>vlan vx_range</b> VXLAN interfaces specified by <i>vx_range</i>.</li> </ul> </li> </ul> <p>Valid <i>range</i> formats include number, range, or comma-delimited list of numbers and ranges.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clear spanning-tree counters	clear spanning-tree counters	<p><b>Command Syntax</b></p> <pre>clear spanning-tree counters [INT_NAME]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INT_NAME</i> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; resets counters for all interfaces.</li> <li>— <b>interface ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>interface management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>interface vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	Yes
clock set	clock set	<p><b>Command Syntax</b></p> <pre>clock set hh:mm:ss date</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>hh:mm:ss</i> is the current time (24-hour notation).</li> <li>• <i>date</i> is the current date. Date formats include: <ul style="list-style-type: none"> <li>— mm/dd/yy <i>example: 05/15/2012</i></li> <li>— Month day year <i>example: May 15 2012</i></li> <li>— day month year <i>example: 15 May 2012</i></li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
clock timezone	clock timezone	<b>Command Syntax</b> <code>clock timezone zone_name</code> <code>no clock timezone</code> <code>default clock timezone</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><code>zone_name</code> the time zone. Settings include a list of predefined time zone labels.</li> </ul>	No
control-plane	control-plane	<b>Command Syntax</b> <code>control-plane</code>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
default-information originate (OSPF)	default-information originate (OSPFv2)	<p><b>Command Syntax</b></p> <pre>default-information originate [<i>FORCE</i>] [<i>VALUE</i>] [<i>TYPE</i>] [<i>MAP</i>]</pre> <pre>no default-information originate</pre> <pre>default default-information originate</pre> <p>All parameters can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>FORCE</i> advertisement forcing option. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>always</b></li> </ul> </li> <li>• <i>VALUE</i> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric</b> &lt;1-65535&gt;</li> </ul> </li> <li>• <i>TYPE</i> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric-type</b> &lt;1-2&gt;</li> </ul> </li> <li>• <i>MAP</i> sets attributes in the LSA based on a route map. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>route-map</b> <i>map_name</i>.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
default-information originate (OSPFv3)	default-information originate (OSPFv3)	<p><b>Command Syntax</b></p> <pre>default-information originate [DURATION] [VALUE] [TYPE] [MAP] no default-information originate default default-information originate</pre> <p>All parameters can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>DURATION</b> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>always</b></li> </ul> </li> <li>• <b>VALUE</b> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric &lt;1-65535&gt;</b></li> </ul> </li> <li>• <b>TYPE</b> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>metric-type &lt;1-2&gt;</b></li> </ul> </li> <li>• <b>MAP</b> Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>route-map map_name</b></li> </ul> </li> </ul>	Yes
!!!!!!!!!!!!	!!!!!!!!!!!!		

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
default-metric (OSPFv3)	default-metric (OSPFv3)	<p><b>Command Syntax</b></p> <pre>default-metric def_metric no default-metric default default-metric</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>def_metric</i> Values range from 1 to 65535. Default value is 10.</li> </ul>	No
distance bgp	distance bgp	<p><b>Command Syntax</b></p> <pre>distance bgp external_dist [INTERNAL_LOCAL] no distance bgp default distance bgp</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>external_dist</i> distance assigned to external routes. Values range from 1 to 255.</li> <li><i>INTERNAL_LOCAL</i> distance assigned to internal and local routes. Values for both routes range from 1 to 255. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; <i>external_dist</i> value is assigned to internal and local routes.</li> <li><i>internal_dist local_dist</i> values assigned to internal (<i>internal_dist</i>) and local (<i>local_dist</i>) routes.</li> </ul> </li> </ul>	No
domain-id	domain-id	<p><b>Command Syntax</b></p> <pre>domain-id identifier no domain-id default domain-id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>identifier</i> alphanumeric string that names the MLAG domain.</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
dot1x max-reauth-req	dot1x max-reauth-req	<p><b>Command Syntax</b></p> <pre>dot1x max-reauth-req <i>attempts</i> no dot1x max-reauth-req default dot1x max-reauth-req</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>attempts</i> maximum number of attempts. Values range from 1 to 10; default value is 2.</li> </ul>	No
dot1x pae authenticator	dot1x pae authenticator	<p><b>Command Syntax</b></p> <pre>dot1x pae authenticator no dot1x pae authenticator default dot1x pae authenticator</pre>	Yes
dot1x port-control	dot1x port-control	<p><b>Command Syntax</b></p> <pre>dot1x port-control <i>STATE</i> no dot1x port-control default dot1x port-control</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>STATE</i> specifies whether the interface will authenticate traffic. The default value is <i>force-authorized</i>. Options include: <ul style="list-style-type: none"> <li><b>auto</b> configures the port to authenticate traffic using Extensible Authentication Protocol messages.</li> <li><b>force-authorized</b> configures the port to pass traffic without authentication.</li> <li><b>force-unauthorized</b> configures the port to block all traffic regardless of authentication.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
dot1x reauthentication	dot1x reauthentication	<b>Command Syntax</b> <code>dot1x reauthentication</code> <code>no dot1x reauthentication</code> <code>default dot1x reauthentication</code>	Yes
dot1x system-auth-control	dot1x system-auth-control	<b>Command Syntax</b> <code>dot1x system-auth-control</code> <code>no dot1x system-auth-control</code> <code>default dot1x system-auth-control</code>	Yes
dot1x timeout quiet-period	dot1x timeout quiet-period	<b>Command Syntax</b> <code>dot1x timeout quiet-period <i>quiet_time</i></code> <code>no dot1x timeout quiet-period</code> <code>default dot1x timeout quiet-period</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>quiet_time</i> interval in seconds. Values range from 1 to 65535. Default value is 60.</li> </ul>	No
dot1x timeout reauth-period	dot1x timeout reauth-period	<b>Command Syntax</b> <code>dot1x timeout reauth-period <i>reauth_time</i></code> <code>no dot1x timeout reauth-period</code> <code>default dot1x timeout reauth-period</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>reauth_time</i> the number of seconds the interface passes traffic before requiring re-authentication. Values range from 1 to 65535. Default value is 3600.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
dot1x timeout tx-period	dot1x timeout tx-period	<p><b>Command Syntax</b></p> <pre>dot1x timeout tx-period tx_time no dot1x timeout tx-period default dot1x timeout tx-period</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>tx_time</i> Values range from 1 to 65535. Default value is 5.</li> </ul>	No
enable secret	enable secret	<p><b>Command Syntax</b></p> <pre>enable secret [ENCRYPT_TYPE] password no enable secret default enable secret</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>ENCRYPT_TYPE</i> encryption level of the <i>password</i> parameter. Settings include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; the password is entered as clear text.</li> <li>0 the password is entered as clear text. Equivalent to &lt;no parameter&gt;.</li> <li>5 the password is entered as an md5 encrypted string.</li> <li>sha512 the password is entered as an sha512 encrypted string.</li> </ul> </li> <li><i>password</i> text that authenticates the username. <ul style="list-style-type: none"> <li><i>password</i> must be in clear text if <i>ENCRYPT_TYPE</i> specifies clear text.</li> <li><i>password</i> must be an appropriately encrypted string if <i>ENCRYPT_TYPE</i> specifies encryption.</li> </ul> </li> </ul> <p>Encrypted strings entered through this parameter are generated elsewhere.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
erase startup-config	erase startup-config	<p><b>Command Syntax</b></p> <pre>erase startup-config [CONFIRMATION]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>CONFIRMATION</i> <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; the switch requires a confirmation before starting the erase.</li> <li>— <b>now</b> the erase begins immediately without prompting the user to confirm the request.</li> </ul> </li> </ul>	Yes
errdisable detect cause link-flap	errdisable detect cause link-flap	<p><b>Command Syntax</b></p> <pre>errdisable detect cause link-flap no errdisable detect cause link-flap default errdisable detect cause link-flap</pre>	Yes
errdisable recovery cause	errdisable recovery cause	<p><b>Command Syntax</b></p> <pre>errdisable recovery cause CONDITION no errdisable recovery cause CONDITION default errdisable recovery cause CONDITION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>CONDITION</i> Disabling condition for which command automates recovery. Options include: <ul style="list-style-type: none"> <li>— bpduguard</li> <li>— link-flap</li> <li>— no-internal-vlan</li> <li>— portchannelguard</li> <li>— portsec</li> <li>— tapagg</li> <li>— uplink-failure-detection</li> <li>— xcvr_unsupported</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
errdisable recovery interval	errdisable recovery interval	<p><b>Command Syntax</b></p> <pre>errdisable recovery interval <i>period</i> no errdisable recovery interval default errdisable recovery interval</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> Error disable recovery period (seconds). Value ranges from 30 to 86400. Default value is 300</li> </ul>	No
flowcontrol receive	flowcontrol receive	<p><b>Command Syntax</b></p> <pre>flowcontrol receive <i>STATE</i> no flowcontrol receive default flowcontrol receive</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>STATE</i> flow control pause frame processing setting. Options include: <ul style="list-style-type: none"> <li>— on</li> <li>— off</li> </ul> </li> </ul>	No
flowcontrol send	flowcontrol send	<p><b>Command Syntax</b></p> <pre>flowcontrol send <i>STATE</i> no flowcontrol send default flowcontrol send</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>STATE</i> flow control send setting. Options include <ul style="list-style-type: none"> <li>— on</li> <li>— off</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
interface ethernet	interface ethernet	<b>Command Syntax</b> <code>interface ethernet e_range</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>e_range</i> Ethernet interfaces (number, range, or comma-delimited list of numbers and ranges). Valid Ethernet numbers depend on the switch's available Ethernet interfaces.</li> </ul>	No
interface loopback	interface loopback	<b>Command Syntax</b> <code>interface loopback l_range</code> <code>no interface loopback l_range</code> <code>default interface loopback l_range</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>l_range</i> Loopback interfaces (number, range, or comma-delimited list of numbers and ranges). Loopback number ranges from 0 to 1000.</li> </ul>	No
interface port-channel	interface port-channel	<b>Command Syntax</b> <code>interface port-channel p_range</code> <code>no interface port-channel p_range</code> <code>default interface port-channel p_range</code>  <b>Parameter</b> <ul style="list-style-type: none"> <li><i>p_range</i> port channel interfaces (number, range, or comma-delimited list of numbers and ranges) Port channel numbers range from 1 to 2000.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
interface vlan	interface vlan	<p><b>Command Syntax</b></p> <pre>interface vlan v_range no interface vlan v_range default interface vlan v_range</pre> <p><b>Parameter</b></p> <ul style="list-style-type: none"> <li><i>v_range</i> VLAN interfaces (number, range, or comma-delimited list of numbers and ranges). VLAN number ranges from 1 to 4094.</li> </ul>	No
ip access-group	ip access-group	<p><b>Command Syntax</b></p> <pre>ip access-group list_name [VRF_INSTANCE] DIRECTION no ip access-group [list_name] [VRF_INSTANCE] DIRECTION default ip access-group [list_name] [VRF_INSTANCE] DIRECTION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>list_name</i> name of ACL assigned to interface.</li> <li><i>VRF_INSTANCE</i> specifies the VRF instance being modified. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; changes are made to the default VRF.</li> <li><i>vrf vrf_name</i> changes are made to the specified user-defined VRF.</li> </ul> </li> <li><i>DIRECTION</i> transmission direction of packets, relative to interface. Valid options include: <ul style="list-style-type: none"> <li><i>in</i> inbound packets.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip access-list	ip access-list	<p><b>Command Syntax</b></p> <pre>ip access-list list_name no ip access-list list_name default ip access-list list_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>list_name</i> Name of ACL. Must begin with an alphabetic character. Cannot contain spaces or quotation marks.</li> </ul>	No
ip access-list standard	ip access-list standard	<p><b>Command Syntax</b></p> <pre>ip access-list standard list_name no ip access-list standard list_name default ip access-list standard list_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>list_name</i> Name of standard ACL. Must begin with an alphabetic character. Cannot contain spaces or quotation marks.</li> </ul>	No
ip address	ip address	<p><b>Command Syntax</b></p> <pre>ip address ipv4_subnet [PRIORITY] no ip address [ipv4_subnet] [PRIORITY] default ip address [ipv4_subnet] [PRIORITY]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>ipv4_subnet</i> IPv4 and subnet address (CIDR or address-mask notation). <i>Running-config</i> stores value in CIDR notation.</li> <li><i>PRIORITY</i> interface priority. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; the address is the primary IPv4 address for the interface.</li> <li><b>secondary</b> the address is the secondary IPv4 address for the interface.</li> </ul> </li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip as-path access-list	ip as-path access-list	<p><b>Command Syntax</b></p> <pre>ip as-path access-list list_name FILTER_TYPE regex ORIGIN no ip as-path access-list list_name default ip as-path access-list list_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>list_name</i> the name of the AS path access list.</li> <li>• <i>FILTER_TYPE</i> access resolution of the specified AS path. Options include: <ul style="list-style-type: none"> <li>— <b>permit</b> access is permitted.</li> <li>— <b>deny</b> access is denied.</li> </ul> </li> <li>• <i>regex</i> a regular expression describing the AS path being filtered. Regular expressions are pattern matching strings that are composed of text characters and operators (<a href="#">Section 3.2.6</a>).</li> <li>• <i>ORIGIN</i> the origin of the path information. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; sets the origin to <i>any</i>.</li> <li>— <b>any</b> any BGP origin.</li> <li>— <b>egp</b> EGP origin.</li> <li>— <b>igp</b> IGP origin.</li> <li>— <b>incomplete</b> incomplete origin.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip community-list expanded	ip community-list expanded	<p><b>Command Syntax</b></p> <pre>ip community-list expanded listname FILTER_TYPE R_EXP no ip community-list expanded listname default community-list expanded listname</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>listname</i> name of the community list. Valid input is text.</li> <li>• <i>FILTER_TYPE</i> access resolution of the specified community. Options include: <ul style="list-style-type: none"> <li>— <b>permit</b> access is permitted.</li> <li>— <b>deny</b> access is denied.</li> </ul> </li> <li>• <i>R_EXP</i> list of communities, formatted as a regular expression. Regular expressions are pattern matching strings that are composed of text characters and operators (<a href="#">Section 3.2.6</a>)</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip community-list standard	ip community-list standard	<p><b>Command Syntax</b></p> <pre>ip community-list standard listname <b>FILTER_TYPE</b> COMM_1 [COMM_2...COMM_n] no ip community-list standard listname default ip community-list standard listname</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>listname</i> name of the community list. Valid input is text.</li> <li>• <i>FILTER_TYPE</i> access resolution of the specified community. Options include: <ul style="list-style-type: none"> <li>— <b>permit</b> access is permitted.</li> <li>— <b>deny</b> access is denied.</li> </ul> </li> <li>• <i>COMM_x</i> community number or name, as specified in the route map that sets the community list number. <ul style="list-style-type: none"> <li>— <i>aa:nn</i> AS and network number, separated by colon. Each value ranges from 1 to 4294967295.</li> <li>— <i>number</i> community number. Values range from 1 to 4294967040.</li> <li>— <b>internet</b> advertises route to Internet community.</li> <li>— <b>local-as</b> advertises route only to local peers.</li> <li>— <b>no-advertise</b> does not advertise route to any peer.</li> <li>— <b>no-export</b> advertises route only within BGP AS boundary.</li> </ul> </li> </ul>	No
ip dhcp smart-relay	ip dhcp smart-relay	<p><b>Command Syntax</b></p> <pre>ip dhcp smart-relay no ip dhcp smart-relay default ip dhcp smart-relay</pre>	Yes
ip dhcp smart-relay global	ip dhcp smart-relay global	<p><b>Command Syntax</b></p> <pre>ip dhcp smart-relay global no ip dhcp smart-relay global default ip dhcp smart-relay global</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
ip dhcp snooping	ip dhcp snooping	<b>Command Syntax</b> ip dhcp snooping no ip dhcp snooping default ip dhcp snooping	Yes
ip dhcp snooping information option	ip dhcp snooping information option	<b>Command Syntax</b> ip dhcp snooping information option no ip dhcp snooping information option default ip dhcp snooping information option	Yes
ip dhcp snooping vlan	ip dhcp snooping vlan	<b>Command Syntax</b> ip dhcp snooping vlan <i>v_range</i> no ip dhcp snooping vlan <i>v_range</i> default ip dhcp snooping vlan <i>v_range</i>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip domain lookup	ip domain lookup	<p><b>Command Syntax</b></p> <pre>ip domain lookup [VRF_INSTANCE] source-interface INTF_NAME no ip domain lookup [VRF_INSTANCE] source-interface default ip domain lookup [VRF_INSTANCE] source-interface</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance being modified. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; changes are made to the default VRF.</li> <li>— <b>vrf vrf_name</b> changes are made to the specified VRF.</li> </ul> </li> <li>• <b>INTF_NAME</b> name of source interface to be used for DNS requests. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet e_num</b> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback l_num</b> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management m_num</b> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel p_num</b> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan v_num</b> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No
ip domain name	ip domain-name	<p><b>Command Syntax</b></p> <pre>ip domain-name string no ip domain-name default ip domain-name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>string</b> domain name (text string)</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip extcommunity- list expanded	ip extcommunity- list expanded	<p><b>Command Syntax</b></p> <pre>ip extcommunity-list expanded listname <i>FILTER_TYPE</i> R_EXP no ip extcommunity-list expanded listname default ip extcommunity-list expanded listname</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>listname</i> name of the extended community list. Valid input is text.</li> <li>• <i>FILTER_TYPE</i> access resolution of the specified extended community list. Options include: <ul style="list-style-type: none"> <li>— <b>permit</b> access is permitted.</li> <li>— <b>deny</b> access is denied.</li> </ul> </li> <li>• <i>R_EXP</i> list of communities, formatted as a regular expression. Regular expressions are pattern matching strings that are composed of text characters and operators. <ul style="list-style-type: none"> <li>— Expressions beginning <i>RT:</i> match the <i>route target</i> extended community attribute option.</li> <li>— Expressions beginning <i>SoO:</i> match the <i>site of origin</i> extended community attribute option.</li> </ul> <p><i>RT:</i> and <i>SoO:</i> are case sensitive.</p> <p><a href="#">Section 3.2.6</a> describes regular expressions.</p> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip extcommunity-list standard	ip extcommunity-list standard	<p><b>Command Syntax</b></p> <pre>ip extcommunity-list standard listname FILTER_TYPE COMM_1 [COMM_2...COMM_n] no ip extcommunity-list standard listname default ip extcommunity-list standard listname</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>listname</i> name of the extended community list. Valid input is text.</li> <li>• <i>FILTER_TYPE</i> access resolution of the specified extended community list. Options include: <ul style="list-style-type: none"> <li>— <b>permit</b> access is permitted.</li> <li>— <b>deny</b> access is denied.</li> </ul> </li> <li>• <i>COMM_x</i> extended community attribute. Options include: <ul style="list-style-type: none"> <li>— <b>rt aa:nn</b> route target, as specified by autonomous system:network number</li> <li>— <b>rt ip_addr:nn</b> route target, as specified by ip address:network number</li> <li>— <b>soo aa:nn</b> site of origin, as specified by autonomous system:network number</li> <li>— <b>soo ip_addr:nn</b> site of origin, as specified by ip address:network number</li> </ul> </li> </ul>	No
ip helper-address	ip helper-address	<p><b>Command Syntax</b></p> <pre>ip helper-address ipv4_addr no ip helper-address [ipv4_addr] default ip helper-address [ipv4_addr]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ipv4_addr</i> DHCP server address accessed by interface.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip host	ip host	<p><b>Command Syntax</b></p> <pre>ip host hostname hostadd_1 [hostadd_2] ... [hostadd_X] no ip host [hostname] [hostadd_1] [hostadd_2] [hostadd_X] default ip host [hostname] [hostadd_1] [hostadd_2] [hostadd_X]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>hostname</i> hostname (text).</li> <li>• <i>hostadd_N</i> IPv4 address associated with hostname (dotted decimal notation).</li> </ul>	No
ip http client source-interface	ip http client source-interface	<p><b>Command Syntax</b></p> <pre>ip http client source-interface INTERFACE no ip http client source-interface default ip http client source-interface</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Interface providing the IP address. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No
ip icmp redirect	ip icmp redirect	<p><b>Command Syntax</b></p> <pre>ip icmp redirect no ip icmp redirect default ip icmp redirect</pre>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip igmp last-member-query-count	ip igmp last-member-query-count	<b>Command Syntax</b> <code>ip igmp last-member-query-count <i>number</i></code> <code>no ip igmp last-member-query-count</code> <code>default ip igmp last-member-query-count</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>number</i> query message quantity. Values range from 1 to 3. Default is 2.</li> </ul>	No
ip igmp last-member-query-interval	ip igmp last-member-query-interval	<b>Command Syntax</b> <code>ip igmp last-member-query-interval <i>period</i></code> <code>no ip igmp last-member-query-interval</code> <code>default ip igmp last-member-query-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> transmission interval (deciseconds) between consecutive group-specific query messages. Value range: 10 (one second) to 317440 (8 hours, 49 minutes, 4 seconds). Default is 10 (one second)</li> </ul>	No
ip igmp query-interval	ip igmp query-interval	<b>Command Syntax</b> <code>ip igmp query-interval <i>period</i></code> <code>no ip igmp query-interval</code> <code>default ip igmp query-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> interval (seconds) between IGMP query messages. Values range from 1 to 3175 (52 minutes, 55 seconds). Default is 125.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip igmp query-max-response-time	ip igmp query-max-response-time	<p><b>Command Syntax</b></p> <pre>ip igmp query-max-response-time <i>period</i> no ip igmp query-max-response-time default ip igmp query-max-response-time</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> maximum response time (deciseconds). Values range from 1 to 31744 (52 minutes, 54 seconds). Default is 100 (ten seconds).</li> </ul>	No
ip igmp snooping	ip igmp snooping	<p><b>Command Syntax</b></p> <pre>ip igmp snooping no ip igmp snooping default ip igmp snooping</pre>	Yes
ip igmp snooping querier	ip igmp snooping querier	<p><b>Command Syntax</b></p> <pre>ip igmp snooping querier no ip igmp snooping querier default ip igmp snooping querier</pre>	Yes
ip igmp snooping vlan	ip igmp snooping vlan	<p><b>Command Syntax</b></p> <pre>ip igmp snooping vlan <i>v_range</i> no ip igmp snooping vlan <i>v_range</i> default ip igmp snooping vlan <i>v_range</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>v_range</i> VLANs upon which snooping is enabled. Formats include a number, a number range, or a comma-delimited list of numbers and ranges. Numbers range from 1 to 4094.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip igmp snooping vlan immediate-leave	ip igmp snooping vlan immediate-leave	<p><b>Command Syntax</b></p> <pre>ip igmp snooping vlan v_range immediate-leave no ip igmp snooping vlan v_range immediate-leave default ip igmp snooping vlan v_range immediate-leave</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>v_range</i> VLAN IDs. Formats include a number, number range, or comma-delimited list of numbers and ranges. Numbers range from 1 to 4094.</li> </ul>	No
ip igmp snooping vlan mrouter	ip igmp snooping vlan mrouter	<p><b>Command Syntax</b></p> <pre>ip igmp snooping vlan v_range mrouter interface STATIC_INT no ip igmp snooping vlan v_range mrouter interface STATIC_INT default ip igmp snooping vlan v_range mrouter interface STATIC_INT</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>v_range</i> VLAN IDs. Formats include a number, number range, or comma-delimited list of numbers and ranges. Numbers range from 1 to 4094.</li> <li><i>STATIC_INT</i> interface the command configures as a static port. Selection options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_range</i> where <i>e_range</i> is the number, range, or list of ethernet ports</li> <li>— <b>port-channel</b> <i>p_range</i> where <i>p_range</i> is the number, range, or list of channel ports</li> </ul> </li> </ul> <p>The <i>STATIC_INT</i> interface must route traffic through a VLAN specified within <i>v_range</i>.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip igmp snooping vlan static	ip igmp snooping vlan static	<p><b>Command Syntax</b></p> <pre>ip igmp snooping vlan v_num static ipv4_addr interface STATIC_INT no ip igmp snooping vlan v_num static ipv4_addr interface STATIC_INT default ip igmp snooping vlan v_num static ipv4_addr interface STATIC_INT</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>v_num</i> VLAN number. Value ranges from 1 to 4094.</li> <li><i>ipv4_addr</i> multicast group IPv4 address.</li> <li><i>STATIC_INT</i> interface the command configures as the static group member. Options include: <ul style="list-style-type: none"> <li><b>ethernet</b> <i>e_range</i>, where <i>e_range</i> is the number, range, or list of Ethernet ports</li> <li><b>port-channel</b> <i>p_range</i>, where <i>p_range</i> is the number, range, or list of channel ports</li> </ul> </li> </ul>	No
ip igmp startup-query-interval	ip igmp startup-query-interval	<p><b>Command Syntax</b></p> <pre>ip igmp startup-query-interval period no ip igmp startup-query-interval default ip igmp startup-query-interval</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> startup query interval, in deciseconds. Value ranges from 10 (one second) to 317440 (8 hours, 49 minutes, 4 seconds). Default is 31 seconds.</li> </ul>	No
ip igmp startup-query-count	ip igmp startup-query-count	<p><b>Command Syntax</b></p> <pre>ip igmp startup-query-count number no ip igmp startup-query-count default ip igmp startup-query-count</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>number</i> quantity of queries. Values range from 1 to 65535. Default is 2.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip igmp static-group	ip igmp static-group	<p><b>Command Syntax</b></p> <pre>ip igmp static-group group_address [SOURCE_ADDRESS] no ip igmp static-group group_address [SOURCE_ADDRESS] default ip igmp static-group group_address [SOURCE_ADDRESS]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>group_address</i> IPv4 address of multicast group for which the interface fast-switches packets.</li> <li>• <i>SOURCE_ADDRESS</i> IP address of host that originates multicast data packets.</li> </ul> <p>— &lt;no parameter&gt; all multicast messages of the specified group are fast-switched.</p> <p>— <i>ipv4_address</i> source IP address (dotted decimal notation).</p>	No
ip igmp version	ip igmp version	<p><b>Command Syntax</b></p> <pre>ip igmp version version_number no ip igmp version default ip igmp version</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>version_number</i> IGMP version number. Value ranges from 1 to 3.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip load-sharing	ip load-sharing	<p><b>Command Syntax</b></p> <pre>ip load-sharing <i>HARDWARE</i> <i>seed</i> no ip load-sharing <i>HARDWARE</i> default ip load-sharing <i>HARDWARE</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>HARDWARE</i> The ASIC switching device. The available option depend on the switch platform. Verify available options with the CLI ? command. <ul style="list-style-type: none"> <li>— <b>arad</b></li> <li>— <b>fm6000</b></li> <li>— <b>petraA</b></li> <li>— <b>trident</b></li> </ul> </li> <li>• <i>seed</i> The hash seed. Value range varies by switch platform. The default value on all platforms is 0.: <ul style="list-style-type: none"> <li>— when <i>HARDWARE</i>=<b>arad</b> <i>seed</i> ranges from 0 to 2.</li> <li>— when <i>HARDWARE</i>=<b>fm6000</b> <i>seed</i> ranges from 0 to 39.</li> <li>— when <i>HARDWARE</i>=<b>petraA</b> <i>seed</i> ranges from 0 to 2.</li> <li>— when <i>HARDWARE</i>=<b>trident</b> <i>seed</i> ranges from 0 to 5.</li> </ul> </li> </ul>	No
ip local-proxy-arp	ip local-proxy-arp	<p><b>Command Syntax</b></p> <pre>ip local-proxy-arp no ip local-proxy-arp default ip local-proxy-arp</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp cache-sa-state	ip msdp cache-sa-state	<b>Command Syntax</b> <code>ip msdp cache-sa-state</code>	Yes
ip msdp default-peer	ip msdp default-peer	<b>Command Syntax</b> <code>ip msdp default-peer peer_id [PREFIX]</code> <code>no ip msdp default-peer peer_id</code> <code>default ip msdp default-peer peer_id</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>peer_id</i> MSDP peer (IPv4 address).</li> <li>• <i>PREFIX</i> List of RPs from the SA messages originate for which the default peer is valid. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; default peer is valid for SAs from all originating RPs.</li> <li>— <b>prefix-list</b> <i>list_name</i> name of the prefix list that defines affected originating RP prefixes.</li> </ul> </li> </ul>	No
ip msdp description	ip msdp description	<b>Command Syntax</b> <code>ip msdp peer_id description description_string</code> <code>no ip msdp peer_id description</code> <code>default ip msdp peer_id description</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>peer_id</i> MSDP peer (IPv4 address).</li> <li>• <i>description_string</i> text string that is associated with neighbor.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp group-limit	ip msdp group-limit	<p><b>Command Syntax</b></p> <pre>ip msdp group-limit quantity source src_subnet no ip msdp group-limit quantity source src_subnet default ip msdp group-limit quantity source src_subnet</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>quantity</i> maximum number of groups that can access the interface. Value ranges from 1 to 40000.</li> <li><i>src_subnet</i> Source IPv4 subnet (CIDR or address-mask notation).</li> </ul>	No
ip msdp keepalive	ip msdp keepalive	<p><b>Command Syntax</b></p> <pre>ip msdp keepalive peer_id keep_alive hold_time no ip msdp keepalive peer_id default ip msdp keepalive peer_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>peer_id</i> MSDP peer address (IPv4 address).</li> <li><i>keep_alive</i> keepalive period (seconds). Value ranges from 1 to 65535. Default value is 60.</li> <li><i>hold_time</i> hold time (seconds). Value ranges from 1 to 65535. Default value is 75.</li> </ul>	No
ip msdp mesh-group	ip msdp mesh-group	<p><b>Command Syntax</b></p> <pre>ip msdp mesh-group group_name peer_id no ip msdp mesh-group group_name [peer_id] default ip msdp mesh-group group_name [peer_id]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group_name</i> name of mesh group.</li> <li><i>peer_id</i> MSDP peer address (IPv4 address).</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp originator-id	ip msdp originator-id	<p><b>Command Syntax</b></p> <pre>ip msdp originator-id <i>INTERFACE</i> no ip msdp originator-id <i>INTERFACE</i> default ip msdp originator-id <i>INTERFACE</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Specifies the interface from which the IP address is derived. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface.</li> <li>— <b>management</b> <i>m_num</i> Management interface.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface.</li> </ul> </li> </ul>	No
ip msdp peer	ip msdp peer	<p><b>Command Syntax</b></p> <pre>ip msdp peer <i>peer_id</i> [<i>CONNECTION</i>] no ip msdp peer <i>peer_id</i> default ip msdp peer <i>peer_id</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>peer_id</i> MSDP peer address (IPv4 address).</li> <li>• <i>CONNECTION</i> interface through which TCP session connects. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; determined through previously configured protocol.</li> <li>— <b>connect-source ethernet</b> <i>e_num</i> Ethernet interface.</li> <li>— <b>connect-source loopback</b> <i>l_num</i> Loopback interface.</li> <li>— <b>connect-source management</b> <i>m_num</i> Management interface.</li> <li>— <b>connect-source port-channel</b> <i>p_num</i> Port-Channel Interface.</li> <li>— <b>connect-source vlan</b> <i>v_num</i> VLAN interface.</li> <li>— <b>connect-source vxlan</b> <i>vx_num</i> VXLAN interface.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp sa-filter in	ip msdp sa-filter in	<p><b>Command Syntax</b></p> <pre>ip msdp sa-filter in peer_id list list_name no ip msdp sa-filter in peer_id default ip msdp sa-filter in peer_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>peer_id</i> MSDP peer address (IPv4 address).</li> <li>• <i>list_name</i> name of ACL that filters SA messages.</li> </ul>	No
ip msdp sa-filter out	ip msdp sa-filter out	<p><b>Command Syntax</b></p> <pre>ip msdp sa-filter out peer_id list list_name no ip msdp sa-filter out peer_id default ip msdp sa-filter out peer_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>peer_id</i> MSDP peer address (IPv4 address).</li> <li>• <i>list_name</i> name of ACL that filters SA messages.</li> </ul>	No
ip msdp sa-limit	ip msdp sa-limit	<p><b>Command Syntax</b></p> <pre>ip msdp sa-limit peer_id quantity no ip msdp sa-limit peer_id default ip msdp sa-limit peer_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>peer_id</i> MSDP peer (IPv4 address).</li> <li>• <i>quantity</i> maximum number of SA messages that the switch can store. Value ranges from 0 to 40000.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip msdp shutdown	ip msdp shutdown	<p><b>Command Syntax</b></p> <pre>ip msdp peer_id shutdown no ip msdp peer_id shutdown default ip msdp peer_id shutdown</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>peer_id</i> MSDP peer (IPv4 address).</li> </ul>	No
ip msdp timer	ip msdp timer	<p><b>Command Syntax</b></p> <pre>ip msdp timer connect_retry no ip msdp timer connect_retry default ip msdp timer connect_retry</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>connect_retry</i> Reconnect period (seconds). Value ranges from 1 to 65535. Default is 30.</li> </ul>	No
ip multicast boundary	ip multicast boundary	<p><b>Command Syntax</b></p> <pre>ip multicast boundary SUB_NET [TCAM] no ip multicast boundary [SUB_NET] default ip multicast boundary [SUB_NET]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>SUB_NET</i> the subnet address configured as the multicast boundary. Options include: <ul style="list-style-type: none"> <li><i>net_addr</i> multicast subnet address (CIDR or address mask).</li> <li><i>acl_name</i> standard access control list (ACL) that specifies the multicast group addresses.</li> </ul> </li> <li><i>TCAM</i> specifies address inclusion in the routing table. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; boundaries ((S,G) entries) are added to routing table.</li> <li><b>out</b> boundaries are not added to routing table.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip multicast-routing	ip multicast-routing	<b>Command Syntax</b> <code>ip multicast-routing</code> <code>no ip multicast-routing</code> <code>default ip multicast-routing</code>	Yes
ip name-server	ip name-server	<b>Command Syntax</b> <code>ip name-server [VRF_INSTANCE] SERVER_1 [SERVER_2] [SERVER_3]</code> <code>no ip name-server [VRF_INSTANCE] [SERVER_1] [SERVER_2] [SERVER_3]</code> <code>default ip name-server [VRF_INSTANCE] [SERVER_1] [SERVER_2] [SERVER_3]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance containing the addresses. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; default VRF.</li> <li>— <b>vrf vrf_name</b> a user-defined VRF.</li> </ul> </li> <li>• <b>SERVER_X</b> IP address of the name server (dotted decimal notation). Options include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> (A.B.C.D)</li> <li>— <i>ipv6_addr</i> (A:B:C:D:E:F:G:H)</li> </ul> </li> </ul> <p>A command can contain both (IPv4 and IPv6) address types.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip nat pool	ip nat pool	<p><b>Command Syntax</b></p> <pre>ip nat pool pool_name [ADDRESS_SPAN] SUBNET_SIZE no ip nat pool pool_name default ip nat pool pool_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>pool_name</i> name of the IP address pool.</li> <li>• <i>ADDRESS_SPAN</i> Options include: <ul style="list-style-type: none"> <li>— <i>start_addr</i> The first IP address in the address pool (IPv4 addresses in dotted decimal notation).</li> <li>— <i>end_addr</i> The last IP address in the address pool. (IPv4 addresses in dotted decimal notation).</li> </ul> </li> <li>• <i>SUBNET_SIZE</i> this functions as a sanity check to ensure it is not a network or broadcast network. Options include: <ul style="list-style-type: none"> <li>— <i>netmask ipv4_addr</i> The netmask of the address pool's network (dotted decimal notation).</li> <li>— <i>prefix-length &lt;0 to 32&gt;</i> The number of bits of the netmask (of the address pool's network) that are ones (how many bits of the address indicate network).</li> </ul> </li> </ul>	No
ip nat translation tcp-timeout	ip nat translation tcp-timeout	<p><b>Command Syntax</b></p> <pre>ip nat translation tcp-timeout period no ip nat translation tcp-timeout default ip nat translation tcp-timeout</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>period</i> Time-out period in seconds for port translations. Value ranges from 0 to 4294967295. Default value is 86400 (24 hours).</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip nat translation udp-timeout	ip nat translation udp-timeout	<p><b>Command Syntax</b></p> <pre>ip nat translation udp-timeout <i>period</i> no ip nat translation udp-timeout default ip nat translation udp-timeout</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> Value ranges from 0 to 4294967295. Default value is 300 (5 minutes).</li> </ul>	No
ip ospf authentication	ip ospf authentication	<p><b>Command Syntax</b></p> <pre>ip ospf authentication [<i>METHOD</i>] no ip ospf authentication default ip ospf authentication</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>METHOD</i> OSPFv2 authentication method. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>message-digest</b></li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf authentication-key	ip ospf authentication-key	<p><b>Command Syntax</b></p> <pre>ip ospf authentication-key [ENCRYPT_TYPE] key_text no ip ospf authentication-key default ip ospf authentication-key</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ENCRYPT_TYPE</i> encryption level of the <i>key_text</i> parameter. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; the <i>key_text</i> is in clear text.</li> <li>— 0 <i>key_text</i> is in clear text. Equivalent to &lt;no parameter&gt;.</li> <li>— 7 <i>key_text</i> is MD5 encrypted.</li> </ul> </li> <li>• <i>key_text</i> the authentication-key password.</li> </ul>	No
ip ospf bfd	ip ospf bfd	<p><b>Command Syntax</b></p> <pre>ip ospf bfd no ip ospf bfd default ip ospf bfd</pre>	Yes
ip ospf cost	ip ospf cost	<p><b>Command Syntax</b></p> <pre>ip ospf cost interface_cost no ip ospf cost default ip ospf cost</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>interface_cost</i> Value ranges from 1 to 65535; default is 10.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf dead-interval	ip ospf dead-interval	<p><b>Command Syntax</b></p> <pre>ip ospf dead-interval <i>time</i> no ip ospf dead-interval default ip ospf dead-interval</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>time</i> Value ranges from 1 to 8192; default is 40.</li> </ul>	No
ip ospf hello-interval	ip ospf hello-interval	<p><b>Command Syntax</b></p> <pre>ip ospf hello-interval <i>time</i> no ip ospf hello-interval default ip ospf hello-interval</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>time</i> hello interval (seconds). Values range from 1 to 8192; default is 10.</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf message-digest-key	ip ospf message-digest-key	<p><b>Command Syntax</b></p> <pre>ip ospf message-digest-key key_id md5 ENCRYPT_TYPE key_text no ip ospf message-digest-key key_id default ip ospf message-digest-key key_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>key_id</i> key ID number. Value ranges from 1 to 255.</li> <li>• <i>ENCRYPT_TYPE</i> encryption level of the <i>key_text</i> parameters. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— 0 <i>key_text</i></li> <li>— 7 <i>key_text</i></li> </ul> </li> <li>• <i>key_text</i> message key (password).</li> </ul>	No
ip ospf name-lookup	ip ospf name-lookup	<p><b>Command Syntax</b></p> <pre>ip ospf name-lookup no ip ospf name-lookup default ip ospf name-lookup</pre>	Yes
ip ospf network	ip ospf network	<p><b>Command Syntax</b></p> <pre>ip ospf network point-to-point no ip ospf network default ip ospf network</pre>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf priority	ip ospf priority	<b>Command Syntax</b> <code>ip ospf priority <i>priority_level</i></code> <code>no ip ospf priority</code> <code>default ip ospf priority</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>priority_level</i> priority level. Value ranges from 0 to 255. Default value is 1.</li> </ul>	No
ip ospf retransmit-interval	ip ospf retransmit-interval	<b>Command Syntax</b> <code>ip ospf retransmit-interval <i>period</i></code> <code>no ip ospf retransmit-interval</code> <code>default ip ospf retransmit-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> retransmission interval (seconds). Value ranges from 1 to 8192; default is 5.</li> </ul>	No
ip ospf shutdown	ip ospf shutdown	<b>Command Syntax</b> <code>ip ospf shutdown</code> <code>no ip ospf shutdown</code> <code>default ip ospf shutdown</code>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip ospf transmit-delay	ip ospf transmit-delay	<p><b>Command Syntax</b></p> <pre>ip ospf transmit-delay trans no ip ospf transmit-delay default ip ospf transmit-delay</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>trans</i> LSA transmission delay (seconds). Value ranges from 1 to 8192; default is 1.</li> </ul>	No
ip pim anycast-rp	ip pim anycast-rp	<p><b>Command Syntax</b></p> <pre>ip pim anycast-rp rp_addr peer_addr [REGISTER] no ip pim anycast-rp rp_addr [peer_addr] default ip pim anycast-rp rp_addr [peer_addr]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>rp_addr</i> Rendezvous point IP address (dotted decimal notation).</li> <li><i>peer_addr</i> IP address of an anycast-RP set member (dotted decimal notation).</li> <li><b>REGISTER</b> Number of unacknowledged register messages the switch sends to the peer router. <ul style="list-style-type: none"> <li>&lt;No parameter&gt; register count is set to default value of 10.</li> <li><b>register-count</b> <i>r_num</i> where <i>r_num</i> is an integer that ranges from 1 to 4294967295.</li> <li><b>register-count infinity</b></li> </ul> </li> </ul>	No
ip pim bfd	ip pim bfd	<p><b>Command Syntax</b></p> <pre>ip pim bfd no ip pim bfd default ip pim bfd</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim bfd-instance	ip pim bfd-instance	<b>Command Syntax</b> ip pim bfd-instance no ip pim bfd-instance default ip pim bfd-instance	Yes
ip pim bsr-border	ip pim bsr-border	<b>Command Syntax</b> ip pim bsr-border no ip pim bsr-border default ip pim bsr-border	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim bsr-candidate	ip pim bsr-candidate	<p><b>Command Syntax</b></p> <pre>ip pim bsr-candidate <i>INTERFACE</i> [<i>HASHMASK_LENGTH</i>] [<i>INTERVAL_PERIOD</i>] [<i>PRIORITY_NUM</i>] no ip pim bsr-candidate [<i>priority</i>] [<i>interval</i>] default ip pim bsr-candidate [<i>priority</i>] [<i>interval</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Switch uses IP address of specified interface as its BSR address. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> <li>• <i>HASHMASK_LENGTH</i> Length (in bits) of the hash mask. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; hash mask remains unchanged from previous setting.</li> <li>— <b>hashmask</b> &lt;0 - 32&gt; hash mask length (in bits). Default value is 30.</li> </ul> </li> <li>• <i>INTERVAL_PERIOD</i> Period between the transmission of BSMs (seconds). Default value is 60. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; interval remains unchanged from previous setting.</li> <li>— <b>interval</b> &lt;10 - 536870906&gt; transmission interval in seconds.</li> </ul> </li> <li>• <i>PRIORITY_NUM</i> BSR election priority rating. Larger numbers denote higher priority. Default value is 64. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; priority remains unchanged from previous setting.</li> <li>— <b>priority</b> &lt;0 - 255&gt; priority rating.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim dr-priority	ip pim dr-priority	<b>Command Syntax</b> <pre>ip pim dr-priority level no ip pim dr-priority [level] default ip pim dr-priority [level]</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>level</i> DR selection priority rating. Value ranges from 0 to 4294967295.</li> </ul>	No
ip pim log-neighbor-changes	ip pim log-neighbor-changes	<b>Command Syntax</b> <pre>ip pim log-neighbor-changes no ip pim log-neighbor-changes default ip pim log-neighbor-changes</pre>	Yes
ip pim neighbor-filter	ip pim neighbor-filter	<b>Command Syntax</b> <pre>ip pim neighbor-filter access_list no ip pim neighbor-filter default ip pim neighbor-filter</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>access_list</i> name of the standard IP access list.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim query-interval	ip pim query-interval	<p><b>Command Syntax</b></p> <pre>ip pim query-interval <i>period</i> no ip pim query-interval [<i>period</i>] default ip pim query-interval [<i>period</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> query interval (seconds). Value ranges from 1 to 1000000 (1 million). Default is 30.</li> </ul>	No
ip pim register-source	ip pim register-source	<p><b>Command Syntax</b></p> <pre>ip pim register-source <i>INT_NAME</i> no ip pim register-source default ip pim register-source</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>INT_NAME</i> Interface type and number. Values include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim rp-address	ip pim rp-address	<p><b>Command Syntax</b></p> <pre>ip pim rp-address rp_addr [MULTICAST_SUBNET] [HASHMASK_LENGTH] [BSR_OVERRIDE] [PRIORITY_NUM] no ip pim rp-address rp_addr [MULTICAST_SUBNET] default ip pim rp-address rp_addr [MULTICAST_SUBNET]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>rp_addr</i> Rendezvous point IP address (dotted decimal notation).</li> <li><i>MULTICAST_SUBNET</i> Multicast IP address space (CIDR or address-mask). <ul style="list-style-type: none"> <li>&lt;no parameter&gt; Default multicast group IP address of 224/4.</li> <li><i>gp_addr</i> Multicast group IP address (CIDR or address-mask).</li> <li><b>access-list</b> <i>acl_name</i> Standard access control list that specifies the multicast group address.</li> <li><i>acl_name</i> Standard access control list that specifies the multicast group address.</li> </ul> </li> <li><i>HASHMASK_LENGTH</i> Length (in bits) of the hash mask. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; hash mask remains unchanged from previous setting.</li> <li><b>hashmask</b> &lt;0 - 32&gt; hash mask length (in bits). Default value is 30.</li> </ul> </li> <li><i>BSR_OVERRIDE</i> Configures priority relative to dynamic RPs selected by BSR. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; Dynamic RPs have priority over specified RP.</li> <li><b>override</b> RP has priority over dynamic RPs.</li> </ul> </li> <li><i>PRIORITY_NUM</i> BSR election priority rating. Larger numbers denote higher priority. Default value is 64. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; priority remains unchanged from previous setting.</li> <li><b>priority</b> &lt;0 - 255&gt; priority rating.</li> </ul> </li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim rp-candidate	ip pim rp-candidate	<p><b>Command Syntax</b></p> <p>The <i>INTERFACE</i> parameter is always listed first. All other parameters can be placed in any order.</p> <pre> ip pim rp-candidate <i>INTERFACE</i> [<i>GROUP_ADDR</i>] [<i>PRIORITY_NUM</i>] [<i>INTERVAL_PERIOD</i>] no ip pim rp-candidate [<i>INTERFACE</i>] [<i>GROUP_ADDR</i>] no ip pim rp-candidate [<i>INTERFACE</i>] interval no ip pim rp-candidate [<i>INTERFACE</i>] priority default ip pim rp-candidate [<i>INTERFACE</i>] [<i>GROUP_ADDR</i>] default ip pim rp-candidate [<i>INTERFACE</i>] interval default ip pim rp-candidate [<i>INTERFACE</i>] priority </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Switch uses IP address of specified interface as its C-RP address. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <i>GROUP_ADDR</i> address of multicast group for which candidate is configured. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; default multicast group (224.0.0.0/4).</li> <li>— <i>net_addr</i> multicast IPv4 subnet address (CIDR or address mask).</li> <li>— <b>access-list</b> <i>acl_name</i> standard access control list that specifies the multicast group address.</li> </ul> </li> <li>• <i>PRIORITY_NUM</i> RP selection priority rating. Smaller numbers denote higher priority. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; priority rating is set to the default value of 0.</li> <li>— <b>priority</b> &lt;0 - 255&gt; priority rating.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
		<ul style="list-style-type: none"> <li><i>INTERVAL_NUM</i> Period between consecutive RP-advertisement message transmissions (seconds). Value also applies to previously configured rp-candidate statements. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; interval remains unchanged from previous setting.</li> <li><b>interval</b> &lt;10 - 16383&gt; transmission interval.</li> </ul> </li> </ul>	
ip pim sparse-mode	ip pim sparse-mode	<b>Command Syntax</b> <pre>ip pim sparse-mode no ip pim no ip pim sparse-mode default ip pim default ip pim sparse-mode</pre>	Yes
ip pim spt-threshold	ip pim spt-threshold	<b>Command Syntax</b> <pre>ip pim spt-threshold JOIN no ip pim spt-threshold default ip pim spt-threshold</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>JOIN</i> specifies switch's use of the short path tree (SPT). Options include: <ul style="list-style-type: none"> <li><b>0</b> The switch immediately joins the SPT. This is the default value.</li> <li><b>infinity</b> The switch never joins the SPT.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip pim spt-threshold group-list	ip pim spt-threshold group-list	<p><b>Command Syntax</b></p> <pre>ip pim spt-threshold JOIN group-list acl_name no ip pim spt-threshold JOIN group-list acl_name default ip pim spt-threshold JOIN group-list acl_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>JOIN</b> specifies switch's use of the short path tree (SPT) for specified groups. Options include: <ul style="list-style-type: none"> <li>— <b>0</b> The switch immediately joins the SPT. This is the default value.</li> <li>— <b>infinity</b> The switch never joins the SPT.</li> </ul> </li> <li>• <b>acl_name</b> name of access control list.</li> </ul>	No
ip pim ssm range	ip pim ssm range	<p><b>Command Syntax</b></p> <pre>ip pim ssm range [ACCESS_RANGE] no ip pim ssm range default ip pim ssm range</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>ACCESS_RANGE</b> specifies the SSM IP multicast address range. Options include: <ul style="list-style-type: none"> <li>— <b>acl_name</b> sets the SSM range to address set specified by the standard ACL.</li> <li>— <b>standard</b> sets the SSM range to 232/8.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip prefix-list	ip prefix-list	<p><b>Command Syntax</b></p> <pre>ip prefix-list list_name [SEQUENCE] FILTER_TYPE network_addr [MASK] no ip prefix-list list_name [SEQUENCE] default ip prefix-list list_name [SEQUENCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>list_name</i> The label that identifies the prefix list.</li> <li><i>SEQUENCE</i> Sequence number of the prefix list entry. Options include <ul style="list-style-type: none"> <li>&lt;no parameter&gt; entry's number is ten plus highest sequence number in current list.</li> <li>seq seq_num number assigned to entry. Value ranges from 0 to 65535.</li> </ul> </li> <li><i>FILTER_TYPE</i> specifies route access when it matches IP prefix list. Options include: <ul style="list-style-type: none"> <li>permit routes are permitted access when they match the specified subnet.</li> <li>deny routes are denied access when they match the specified subnet.</li> </ul> </li> <li><i>network_addr</i> Subnet upon which command filters routes. Format is CIDR or address-mask.</li> <li><i>MASK</i> range of the prefix to be matched. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; exact match with the subnet mask is required.</li> <li>eq mask_e prefix length is equal to mask_e.</li> <li>ge mask_g range is from mask_g to 32.</li> <li>le mask_l range is from subnet mask length to mask_l.</li> <li>ge mask_l le mask_g range is from mask_g to mask_l.</li> </ul> </li> </ul> <p><i>mask_e, mask_l and mask_g range from 1 to 32.</i></p> <p>when le and ge are specified, subnet mask &gt; mask_g &gt; mask_l</p>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip protocol	ip protocol (Monitor Reachability Probe Transmitter)	<p><b>Command Syntax</b></p> <pre>ip protocol <i>PROT_TYPE</i> no ip protocol default ip protocol</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PROT_TYPE</i> Specifies the IP protocol. Options include: <ul style="list-style-type: none"> <li>— <b>tcp</b> TCP packets.</li> <li>— <b>udp</b> UDP packets.</li> </ul> </li> </ul>	No
ip proxy-arp	ip proxy-arp	<p><b>Command Syntax</b></p> <pre>ip proxy-arp no ip proxy-arp default ip proxy-arp</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip radius source-interface	ip radius source-interface	<p><b>Command Syntax</b></p> <pre>ip radius [VRF_INST] source-interface INT_NAME no ip radius [VRF_INST] source-interface default ip radius [VRF_INST] source-interface</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INST</b> specifies the VRF instance used to communicate with the specified server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; switch communicates with the server using the default VRF.</li> <li>— <b>vrf vrf_name</b> switch communicates with the server using the specified user-defined VRF.</li> </ul> </li> <li>• <b>INT_NAME</b> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— <b>interface ethernet e_num</b> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface loopback l_num</b> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>interface management m_num</b> Management interface specified by <i>m_num</i>.</li> <li>— <b>interface port-channel p_num</b> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>interface vlan v_num</b> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No
ip rip v2- broadcast	ip rip v2- broadcast	<p><b>Command Syntax</b></p> <pre>ip rip v2-broadcast no ip rip v2-broadcast default ip rip v2-broadcast</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip route	ip route	<p><b>Command Syntax</b></p> <pre>ip route [VRF_INSTANCE] dest_net NEXTHOP [DISTANCE] [TAG_OPTION] [RT_NAME] no ip route [VRF_INSTANCE] dest_net [NEXTHOP] [DISTANCE] default ip route [VRF_INSTANCE] dest_net [NEXTHOP] [DISTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> Specifies the VRF instance being modified. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Changes are made to the default VRF.</li> <li>— <b>vrf</b> <i>vrf_name</i> Changes are made to the specified VRF.</li> </ul> </li> <li>• <b>dest_net</b> Destination IPv4 subnet (CIDR or address-mask notation).</li> <li>• <b>NEXTHOP</b> Location or access method of next hop device. Options include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> An IPv4 address.</li> <li>— <b>null0</b> Null0 interface.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <b>DISTANCE</b> Administrative distance assigned to route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Route assigned default administrative distance of one.</li> <li>— &lt;1-255&gt; The administrative distance assigned to route.</li> </ul> </li> <li>• <b>TAG_OPTION</b> static route tag. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Assigns default static route tag of 0.</li> <li>— <b>tag</b> <i>t_value</i> Static route tag value. <i>t_value</i> ranges from 0 to 4294967295.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
		<ul style="list-style-type: none"> <li>• <b>RT_NAME</b> Associates descriptive text to the route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; No text is associated with the route.</li> <li>— <b>name</b> <i>descriptive_text</i> The specified text is assigned to the route.</li> </ul> </li> </ul>	
ip routing	ip routing	<p><b>Command Syntax</b></p> <pre>ip routing [VRF_INSTANCE] no ip routing [DELETE_ROUTES] [VRF_INSTANCE] default ip routing [DELETE_ROUTES] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>DELETE_ROUTES</b> Resolves routing table static entries when routing is disabled. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table retains static entries.</li> <li>— <b>delete-static-routes</b> Static entries are removed from the routing table.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance being modified. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; changes are made to the default VRF.</li> <li>— <b>vrf</b> <i>vrf_name</i> changes are made to the specified user-defined VRF.</li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ip tacacs source-interface	ip tacacs source-interface	<p><b>Command Syntax</b></p> <pre>ip tacacs [VRF_INST] source-interface INT_NAME no ip tacacs [VRF_INST] source-interface default ip tacacs [VRF_INST] source-interface</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>VRF_INST</i> specifies the VRF instance used to communicate with the specified server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; switch communicates with the server using the default VRF.</li> <li>— <i>vrf vrf_name</i> switch communicates with the server using the specified user-defined VRF.</li> </ul> </li> <li>• <i>INT_NAME</i> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— <b>interface ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>interface management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>interface vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No
ipv6 access-list	ipv6 access-list	<p><b>Command Syntax</b></p> <pre>ipv6 access-list list_name no ipv6 access-list list_name default ipv6 access-list list_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>list_name</i> Name of ACL. Must begin with an alphabetic character. Cannot contain spaces or quotation marks.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 address	ipv6 address	<b>Command Syntax</b> <code>ipv6 address ipv6_prefix</code> <code>no ipv6 address [ipv6_prefix]</code> <code>default ipv6 address [ipv6_prefix]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><code>ipv6_prefix</code> address assigned to the interface (CIDR notation).</li> </ul>	No
ipv6 dhcp relay destination	ipv6 dhcp relay destination	<b>Command Syntax</b> <code>ipv6 dhcp relay destination ipv6_addr</code> <code>no ipv6 dhcp relay destination [ipv6_addr]</code> <code>default ipv6 dhcp relay destination [ipv6_addr]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><code>ipv6_addr</code> DHCP Server's IPv6 address.</li> </ul>	No
ipv6 enable	ipv6 enable	<b>Command Syntax</b> <code>ipv6 enable</code> <code>no ipv6 enable</code> <code>default ipv6 enable</code>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 host	ipv6 host	<p><b>Command Syntax</b></p> <pre> <b>ipv6 host</b> <i>hostname</i> <i>hostadd_1</i> [<i>hostadd_2</i>] ... [<i>hostadd_X</i>] <b>no ipv6 host</b> [<i>hostname</i>] [<i>hostadd_1</i>] [<i>hostadd_2</i>] [<i>hostadd_X</i>] <b>default ipv6 host</b> [<i>hostname</i>] [<i>hostadd_1</i>] [<i>hostadd_2</i>] [<i>hostadd_X</i>] </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>hostname</i> hostname (text).</li> <li>• <i>hostadd_N</i> IPv6 addresses associated with hostname (dotted decimal notation).</li> </ul>	No
ipv6 access-group	ipv6 access-group	<p><b>Command Syntax</b></p> <pre> <b>ipv6 access-group</b> <i>list_name</i> <b>DIRECTION</b> <b>no ipv6 access-group</b> <i>list_name</i> <b>DIRECTION</b> <b>default ipv6 access-group</b> <i>list_name</i> <b>DIRECTION</b> </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>list_name</i> name of ACL assigned to interface.</li> <li>• <b>DIRECTION</b> transmission direction of packets, relative to interface. Valid options include: <ul style="list-style-type: none"> <li>— <b>in</b> inbound packets.</li> <li>— <b>out</b> outbound packets.</li> </ul> </li> </ul>	No
ipv6 nd managed-config-flag	ipv6 nd managed-config-flag	<p><b>Command Syntax</b></p> <pre> <b>ipv6 nd managed-config-flag</b> <b>no ipv6 nd managed-config-flag</b> <b>default ipv6 nd managed-config-flag</b> </pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 nd ns-interval	ipv6 nd ns-interval	<b>Command Syntax</b> <code>ipv6 nd ns-interval <i>period</i></code> <code>no ipv6 nd ns-interval</code> <code>default ipv6 nd ns-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> interval in milliseconds between successive IPv6 neighbor solicitation transmissions. Values range from 1000 to 4294967295. The default period is 1000 milliseconds.</li> </ul>	No
ipv6 nd other-config-flag	ipv6 nd other-config-flag	<b>Command Syntax</b> <code>ipv6 nd other-config-flag</code> <code>no ipv6 nd other-config-flag</code> <code>default ipv6 nd other-config-flag</code>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 nd prefix	ipv6 nd prefix	<p><b>Command Syntax</b></p> <pre> ipv6 nd prefix ipv6_prefix LIFETIME [FLAGS] ipv6 nd prefix ipv6_prefix no-advertise no ipv6 nd prefix ipv6_prefix default ipv6 nd prefix ipv6_prefix </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ipv6_prefix</i> IPv6 prefix (CIDR notation).</li> <li>• <b>no-advertise</b> Prevents advertising of the specified prefix.</li> <li>• <b>LIFETIME</b> Period that the specified IPv6 prefix is advertised (seconds). Options include <ul style="list-style-type: none"> <li>— <i>valid preferred</i> Two values that set the <i>valid</i> and <i>preferred</i> lifetime periods.</li> <li>— <i>valid</i> One value that sets the <i>valid</i> lifetime. The <i>preferred</i> lifetime is set to the default value.</li> <li>— &lt;no parameter&gt; The <i>valid</i> and <i>preferred</i> lifetime periods are set to their default values.</li> </ul> <p>Options for <i>valid</i>: &lt;0 to 4294967295&gt; and <b>infinite</b>. Default value is 2592000  Options for <i>preferred</i>: &lt;0 to 4294967295&gt; and <b>infinite</b>. Default value is 604800  The maximum value (4294967295) and <b>infinite</b> are equivalent settings.</p> </li> <li>• <b>FLAGS</b> <i>on-link</i> and <i>autonomous address-configuration</i> flag values in RAs. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; both flags are set.</li> <li>— <b>no-autoconfig</b> <i>autonomous address-configuration</i> flag is reset.</li> <li>— <b>no-onlink</b> <i>on-link</i> flag is reset.</li> <li>— <b>no-autoconfig no-onlink</b> both flags are reset.</li> <li>— <b>no-onlink no-autoconfig</b> both flags are reset.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 nd ra interval	ipv6 nd ra interval	<p><b>Command Syntax</b></p> <pre> ipv6 nd ra interval [<i>SCALE</i>] <i>ra_period</i> [<i>minimum_period</i>] no ipv6 nd ra interval default ipv6 nd ra interval </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>SCALE</i> timescale in which command parameter values are expressed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; seconds</li> <li>— <i>msec</i> milliseconds</li> </ul> </li> <li>• <i>ra_period</i> maximum interval between successive IPv6 RA transmissions. The default period is 200 seconds. <ul style="list-style-type: none"> <li>— &lt;4 - 1800&gt; valid range when <b>scale</b> is set to default value (seconds).</li> <li>— &lt;500 - 1800000&gt; valid range when <b>scale</b> is set to <i>msec</i>.</li> </ul> </li> <li>• <i>minimum_period</i> minimum interval between successive IPv6 RA transmissions. Must be smaller than <i>ra_period</i>. By default, a minimum period is not defined. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Command does not specify a minimum period.</li> <li>— &lt;3 - 1799&gt; valid range when <b>scale</b> is set to default value (seconds).</li> <li>— &lt;375 - 1799999&gt; valid range when <b>scale</b> is set to <i>msec</i>.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 nd ra lifetime	ipv6 nd ra lifetime	<p><b>Command Syntax</b></p> <pre>ipv6 nd ra lifetime ra_lifetime no ipv6 nd ra lifetime default ipv6 nd ra lifetime</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>ra_lifetime</i> router lifetime period (seconds). Default value is 1800. Options include <ul style="list-style-type: none"> <li><code>&lt;0&gt;</code> Router should not be considered as a default router</li> <li><code>&lt;1 - 65535&gt;</code> Lifetime period advertised in RAs. Should be greater than or equal to the interval between IPv6 RA transmissions from the configuration mode interface as set by the <code>ipv6 nd ra interval</code> command.</li> </ul> </li> </ul>	No
ipv6 nd ra suppress	ipv6 nd ra suppress	<p><b>Command Syntax</b></p> <pre>ipv6 nd ra suppress [SCOPE] no ipv6 nd ra suppress default ipv6 nd ra suppress</pre>	Yes
ipv6 nd reachable-time	ipv6 nd reachable-time	<p><b>Command Syntax</b></p> <pre>ipv6 nd reachable-time period no ipv6 nd reachable-time default ipv6 nd reachable-time</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> Reachable time value (milliseconds). Value ranges from 0 to 4294967295. Default is 0.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 nd router-preference	ipv6 nd router-preference	<p><b>Command Syntax</b></p> <pre> <b>ipv6 nd router-preference</b> <i>RANK</i> <b>no ipv6 nd router-preference</b> <b>default ipv6 nd router-preference</b> </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>RANK</i> Router preference value. Options include: <ul style="list-style-type: none"> <li>— <b>high</b></li> <li>— <b>low</b></li> <li>— <b>medium</b></li> </ul> </li> </ul>	No
ipv6 neighbor	ipv6 neighbor	<p><b>Command Syntax</b></p> <pre> <b>ipv6 neighbor</b> <i>ipv6_addr</i> <b>PORT</b> <i>mac_addr</i> <b>no ipv6 neighbor</b> <i>ipv6_address</i> <b>PORT</b> <b>default ipv6 neighbor</b> <i>ipv6_addr</i> <b>PORT</b> </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ipv6_addr</i> Neighbor's IPv6 address.</li> <li>• <i>PORT</i> Interface through which the neighbor is accessed. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <i>mac_addr</i> Neighbor's data-link (hardware) address. (48-bit dotted hex notation – H.H.H).</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 ospf area	ipv6 ospf area	<p><b>Command Syntax</b></p> <pre> <b>ipv6 ospf</b> <i>process_id</i> <b>area</b> <i>area_id</i> <b>no ipv6 ospf</b> <i>process_id</i> [<b>area</b> <i>area_id</i>] <b>default ipv6 ospf</b> <i>process_id</i> [<b>area</b> <i>area_id</i>] </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>process_id</i> Values range from 1 to 65535.</li> <li><i>area_id</i></li> </ul> <p>Valid formats: integer &lt;0 to 4294967295&gt; or dotted decimal &lt;0.0.0.0 to 255.255.255.255&gt;  <i>Running-config</i> stores value in dotted decimal notation.</p>	No
ipv6 ospf cost	ipv6 ospf cost	<p><b>Command Syntax</b></p> <pre> <b>ipv6 ospf cost</b> <i>interface_cost</i> <b>no ipv6 ospf cost</b> <b>default ipv6 ospf cost</b> </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>interface_cost</i> Value ranges from 1 to 65535; default is 10.</li> </ul>	No
ipv6 ospf dead-interval	ipv6 ospf dead-interval	<p><b>Command Syntax</b></p> <pre> <b>ipv6 ospf dead-interval</b> <i>time</i> <b>no ipv6 ospf dead-interval</b> <b>default ipv6 ospf dead-interval</b> </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>time</i> Value ranges from 1 to 65535; default is 40.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 ospf hello-interval	ipv6 ospf hello-interval	<b>Command Syntax</b> <code>ipv6 ospf hello-interval <i>time</i></code> <code>no ipv6 ospf hello-interval</code> <code>default ipv6 ospf hello-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>time</i> Values range from 1 to 65535; default is 10.</li> </ul>	No
ipv6 ospf network	ipv6 ospf network	<b>Command Syntax</b> <code>ipv6 ospf network point-to-point</code> <code>no ipv6 ospf network</code> <code>default ipv6 ospf network</code>	No
ipv6 ospf priority	ipv6 ospf priority	<b>Command Syntax</b> <code>ipv6 ospf priority <i>priority_level</i></code> <code>no ipv6 ospf priority</code> <code>default ipv6 ospf priority</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>priority_level</i> Settings range from 0 to 255.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 ospf retransmit-interval	ipv6 ospf retransmit-interval	<b>Command Syntax</b> <code>ipv6 ospf retransmit-interval <i>period</i></code> <code>no ipv6 ospf retransmit-interval</code> <code>default ipv6 ospf retransmit-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> Value ranges from 1 to 65535; default is 5.</li> </ul>	No
ipv6 ospf transmit-delay	ipv6 ospf transmit-delay	<b>Command Syntax</b> <code>ipv6 ospf transmit-delay <i>trans</i></code> <code>no ipv6 ospf transmit-delay</code> <code>default ipv6 ospf transmit-delay</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>trans</i> Value ranges from 1 to 65535; default is 1.</li> </ul>	No
ipv6 prefix-list	ipv6 prefix-list	<b>Command Syntax</b> <code>ipv6 prefix-list <i>list_name</i></code> <code>no ipv6 prefix-list <i>list_name</i></code> <code>default ipv6 prefix-list <i>list_name</i></code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>list_name</i> Name of prefix list. Must begin with an alphabetic character. Cannot contain spaces or quotation marks.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 route	ipv6 route	<p><b>Command Syntax</b></p> <pre> <b>ipv6 route</b> <i>dest_prefix</i> <b>NEXTHOP</b> [<i>DISTANCE</i>] [<i>TAG_OPT</i>] [<i>RT_NAME</i>] <b>no ipv6 route</b> <i>dest_prefix</i> [<i>nexthop_addr</i>] [<i>DISTANCE</i>] <b>default ipv6 route</b> <i>dest_prefix</i> [<i>nexthop_addr</i>] [<i>DISTANCE</i>] </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>dest_prefix</i> destination IPv6 prefix (CIDR notation).</li> <li>• <b>NEXTHOP</b> Access method of next hop device. Options include: <ul style="list-style-type: none"> <li>— <b>null0</b> Null0 interface – route is dropped.</li> <li>— <i>nexthop_addr</i> IPv6 address of nexthop device.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> <li>— <b>ethernet</b> <i>e_num</i> <i>nexthop_addr</i> Combination route (Ethernet interface and gateway).</li> <li>— <b>loopback</b> <i>l_num</i> <i>nexthop_addr</i> Combination route (loopback interface and gateway).</li> <li>— <b>management</b> <i>m_num</i> <i>nexthop_addr</i> Combination route (management interface and gateway).</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
		<ul style="list-style-type: none"> <li>— <b>port-channel</b> <i>p_num nexthop_addr</i> Combination route (port channel interface and gateway).</li> <li>— <b>vlan</b> <i>v_num nexthop_addr</i> Combination route (VLAN interface and gateway).</li> <li>— <b>vxlan</b> <i>vx_num nexthop_addr</i> Combination route (VXLAN interface and gateway)</li> <li>• <b>DISTANCE</b> administrative distance assigned to route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; route assigned default administrative distance of one.</li> <li>— &lt;1 to 255&gt; The administrative distance assigned to route.</li> </ul> </li> <li>• <b>TAG_OPT</b> static route tag. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns default static route tag of 0.</li> <li>— <b>tag</b> &lt;0 to 4294967295&gt; Static route tag value.</li> </ul> </li> <li>• <b>RT_NAME</b> Associates descriptive text to the route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; No text is associated with the route.</li> <li>— <b>name</b> <i>descriptive_text</i> The specified text is assigned to the route.</li> </ul> </li> </ul>	
ipv6 router ospf	ipv6 router ospf	<p><b>Command Syntax</b></p> <pre> <b>ipv6 router ospf</b> <i>process_id</i> <b>no router ospf</b> <i>process_id</i> <b>default router ospf</b> <i>process_id</i> </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>process_id</i> Values range from 1 to 65535.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ipv6 unicast-routing	ipv6 unicast-routing	<p><b>Command Syntax</b></p> <pre> ipv6 unicast-routing no ipv6 unicast-routing [DELETE_ROUTES] default ipv6 unicast-routing [DELETE_ROUTES] </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>DELETE_ROUTES</b> Resolves routing table static entries when routing is disabled. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table retains static entries.</li> <li>— <b>delete-static-routes</b> Static entries are removed from the routing table.</li> </ul> </li> </ul>	Yes
isis hello-interval	isis hello-interval	<p><b>Command Syntax</b></p> <pre> isis hello-interval time no isis hello-interval default isis hello-interval </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>time</b> Values range from 1 to 300; default is 10.</li> </ul>	No
isis hello-multiplier	isis hello-multiplier	<p><b>Command Syntax</b></p> <pre> isis hello-multiplier factor no isis hello-multiplier default isis hello-multiplier </pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>factor</b> Values range from 3 to 100; default is 3</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
isis lsp-interval	isis lsp-interval	<b>Command Syntax</b> <pre>isis lsp-interval period no isis lsp-interval default isis lsp-interval</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> Value ranges from 1 through 3000. Default interval is 33 ms.</li> </ul>	No
isis metric	isis metric	<b>Command Syntax</b> <pre>isis metric metric_cost no isis metric default isis metric</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>metric_cost</i> Values range from 1 to 1677214. Default value is 10.</li> </ul>	No
isis passive	isis passive	<b>Command Syntax</b> <pre>isis passive no isis passive default isis passive</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
isis passive interface	passive-interface (IS-IS)	<p><b>Command Syntax</b></p> <pre>passive-interface <i>INTERFACE_NAME</i> no passive-interface <i>INTERFACE_NAME</i> default passive-interface <i>INTERFACE_NAME</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>INTERFACE_NAME</i> Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface list.</li> <li>— <b>loopback</b> <i>l_range</i> Loopback interface list.</li> <li>— <b>port-channel</b> <i>p_range</i> Channel group interface list.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interface list.</li> </ul> </li> </ul> <p>Valid <i>e_range</i>, <i>l_range</i>, <i>p_range</i>, and <i>v_range</i> formats include number, range, or comma-delimited list of numbers and ranges.</p>	No
isis priority	isis priority	<p><b>Command Syntax</b></p> <pre>isis priority <i>priority_level</i> no isis priority default isis priority</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>priority_level</i> Value ranges from 0 to 127. Default value is 64.</li> </ul>	No



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
is-type	is-type	<b>Command Syntax</b> <code>is-type LAYER_VALUE</code> <b>Parameters</b> <ul style="list-style-type: none"> <li><code>LAYER_VALUE</code> layer value. Options include: <ul style="list-style-type: none"> <li><code>level-1</code></li> <li><code>level-2</code></li> </ul> </li> </ul>	No
lacp port-priority	lacp port-priority	<b>Command Syntax</b> <code>lacp port-priority priority_value</code> <code>no lacp port-priority</code> <code>default lacp port-priority</code> <b>Parameters</b> <ul style="list-style-type: none"> <li><code>priority_level</code> port priority. Values range from 0 to 65535. Default is 32768</li> </ul>	No
lacp rate	lacp rate	<b>Command Syntax</b> <code>lacp rate RATE_LEVEL</code> <code>no lacp rate</code> <code>default lacp rate</code> <b>Parameters</b> <ul style="list-style-type: none"> <li><code>RATE_LEVEL</code> LACP transmission interval . Options include: <ul style="list-style-type: none"> <li><code>fast</code> one second.</li> <li><code>normal</code> 30 seconds for synchronized interfaces; one second while interfaces synchronize.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
lacp system-priority	lacp system-priority	<p><b>Command Syntax</b></p> <pre>lacp system-priority <i>priority_value</i> no lacp system-priority default lacp system-priority</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>priority_value</i> system priority number. Values range from 0 to 65535. Default is 32768.</li> </ul>	No
link state group	link state group	<p><b>Command Syntax</b></p> <pre>link state group <i>group_name</i> <b>DIRECTION</b> no link state group [<i>group_name</i>] default link state group [<i>group_name</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group_name</i> link state tracking group name.</li> <li><b>DIRECTION</b> position of the interface in the link-state group. Valid options include: <ul style="list-style-type: none"> <li>— upstream</li> <li>— downstream</li> </ul> </li> </ul>	No
link state track	link state track	<p><b>Command Syntax</b></p> <pre>link state track <i>group_name</i> no link state track <i>group_name</i> default link state track <i>group_name</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group_name</i> link-state group name.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
lldp holdtime	lldp holdtime	<b>Command Syntax</b> <code>lldp holdtime <i>period</i></code> <code>no lldp holdtime</code> <code>default lldp holdtime</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>period</i> The amount of time a receiving device should hold LLDPDU information before discarding it. Value ranges from 10 to 65535 second; default value is 120 seconds.</li> </ul>	No
lldp receive	lldp receive	<b>Command Syntax</b> <code>lldp receive</code> <code>no lldp receive</code> <code>default lldp receive</code>	Yes
lldp reinit	lldp reinit	<b>Command Syntax</b> <code>lldp reinit <i>delay</i></code> <code>no lldp reinit</code> <code>default lldp reinit</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>delay</i> the amount of time the device should wait before re-initialization is attempted. Value ranges from 1 to 20 seconds; default value is 2 seconds.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
lldp run	lldp run	<b>Command Syntax</b> lldp run no lldp run default lldp run	Yes
lldp timer	lldp timer	<b>Command Syntax</b> lldp timer <i>transmission_time</i> no lldp timer default lldp timer	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
lldp tlv-select	lldp tlv-select	<p><b>Command Syntax</b></p> <pre>lldp tlv-select TLV_NAME no lldp tlv-select TLV_NAME default lldp tlv-select TLV_NAME</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>TLV_NAME</b> Options include: <ul style="list-style-type: none"> <li>— <b>link-aggregation</b> specifies the link aggregation TLV.</li> <li>— <b>management-address</b> specifies the management address TLV.</li> <li>— <b>max-frame-size</b> specifies the Frame size TLV.</li> <li>— <b>port-description</b> specifies the port description TLV.</li> <li>— <b>port-vlan</b> specifies the port VLAN ID TLV.</li> <li>— <b>system-capabilities</b> specifies the system capabilities TLV.</li> <li>— <b>system-description</b> specifies the system description TLV.</li> <li>— <b>system-name</b> specifies the system name TLV.</li> </ul> </li> </ul>	No
lldp transmit	lldp transmit	<p><b>Command Syntax</b></p> <pre>lldp transmit no lldp transmit default lldp transmit</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
load interval	load interval	<b>Command Syntax</b> <code>load-interval delay</code> <code>no load-interval</code> <code>default load-interval</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><code>delay</code> Load interval delay. Values range from 5 to 600 (seconds). Default value is 300 (five minutes).</li> </ul>	No
log-adjacency-changes	log-adjacency-changes (OSPFv2)	<b>Command Syntax</b> <code>log-adjacency-changes</code> <code>log-adjacency-changes detail</code> <code>no log-adjacency-changes</code> <code>default log-adjacency-changes</code>	Yes
log-adjacency-changes (IS-IS)	log-adjacency-changes (IS-IS)	<b>Command Syntax</b> <code>log-adjacency-changes</code> <code>no log-adjacency-changes</code> <code>default log-adjacency-changes</code>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
log-adjacency-changes (OSPFv3)	log-adjacency-changes (OSPFv3)	<p><b>Command Syntax</b></p> <pre>log-adjacency-changes [INFO_LEVEL] no log-adjacency-changes default log-adjacency-changes</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INFO_LEVEL</b> Options include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Sends messages when a neighbor goes up or down.</li> <li>— detail Sends messages for all neighbor state changes.</li> </ul> </li> </ul>	Yes
logging host	logging host	<p><b>Command Syntax</b></p> <pre>logging [VRF_INSTANCE] host syslog_host [PORT] [PROT_TYPE] no logging [VRF_INSTANCE] host syslog_host default logging [VRF_INSTANCE] host syslog_host</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance being modified. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; changes are made to the default VRF.</li> <li>— <b>vrf vrf_name</b> changes are made to the specified user-defined VRF.</li> </ul> </li> <li>• <b>syslog_host</b> remote syslog server location. Valid formats include hostname or IPv4 address.</li> <li>• <b>PORT</b> Remote syslog server port that handles syslog traffic. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Default port number 514.</li> <li>— &lt;1 to 65535&gt; Port number.</li> </ul> </li> <li>• <b>PROT_TYPE</b> Specifies the transport protocol for packets. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Packets transported by User Datagram Protocol (UDP).</li> <li>— <b>protocol tcp</b> Packets transported by TCP.</li> <li>— <b>protocol udp</b> Packets transported by User Datagram Protocol (UDP).</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
mac access-group	mac access-group	<p><b>Command Syntax</b></p> <pre>mac access-group list_name DIRECTION no mac access-group list_name DIRECTION default mac access-group list_name DIRECTION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>list_name</i> name of MAC ACL.</li> <li>• <i>DIRECTION</i> transmission direction of packets, relative to interface. Valid options include: <ul style="list-style-type: none"> <li>— <b>in</b> inbound packets.</li> <li>— <b>out</b> outbound packets.</li> </ul> </li> </ul>	No
mac access-list	mac access-list	<p><b>Command Syntax</b></p> <pre>mac access-list list_name no mac access-list list_name default mac access-list list_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>list_name</i> Name of MAC ACL. Names must begin with an alphabetic character and cannot contain a space or quotation mark.</li> </ul>	No
mac address-table aging-time	mac address-table aging-time	<p><b>Command Syntax</b></p> <pre>mac-address-table aging-time period no mac-address-table aging-time default mac-address-table aging-time</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>period</i> MAC address table aging time. Default is 300 seconds. Options include: <ul style="list-style-type: none"> <li>— <b>0</b> disables deletion of table entries on the basis of aging time.</li> <li>— <b>10</b> through <b>1000000</b> (one million) aging period (seconds).</li> </ul> </li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
mac address-table static	mac address-table static	<p><b>Command Syntax</b></p> <pre>mac address-table static mac_address vlan v_num DESTINATION no mac address-table static mac_address vlan v_num [DESTINATION] default mac address-table static mac_address vlan v_num [DESTINATION]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>mac_address</i> Table entry's MAC address (dotted hex notation – H.H.H).</li> <li>• <i>v_num</i> Table entry's VLAN.</li> <li>• <i>DESTINATION</i> Table entry's port list.</li> </ul> <p>For multicast MAC address entries, the command may contain multiple ports, listed in any order. The CLI accepts only one interface for unicast entries.</p> <ul style="list-style-type: none"> <li>— <b>drop</b> creates drop entry in table. Valid only for unicast addresses.</li> <li>— <b>interface ethernet</b> <i>e_range</i> Ethernet interfaces specified by <i>e_range</i>.</li> <li>— <b>interface port-channel</b> <i>p_range</i> Port channel interfaces specified by <i>p_range</i>.</li> <li>— &lt;no parameter&gt; Valid for <b>no</b> and <b>default</b> commands that remove multiple table entries.</li> </ul> <p><i>e_range</i> and <i>p_range</i> formats include number, range, comma-delimited list of numbers and ranges.</p>	No
mac-address	mac-address	<p><b>Command Syntax</b></p> <pre>mac-address address no mac-address default mac-address</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>address</i> MAC address assigned to the interface. Format is dotted hex notation (H.H.H). Disallowed addresses are 0.0.0 and FFFF.FFFF.FFFF.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
maximum-paths	maximum-paths (OSPF)	<p><b>Command Syntax</b></p> <pre>maximum-paths <i>paths</i> no maximum-paths default maximum-paths</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>paths</i> maximum number of parallel routes.</li> </ul> <p>Value ranges from 1 to the number of interfaces available per ECMP group, which is platform dependent.</p> <p>Arad: Value ranges from 1 to 128. Default value is 128.  FM6000: Value ranges from 1 to 32. Default value is 32.  PetraA: Value ranges from 1 to 16. Default value is 16.  Trident: Value ranges from 1 to 32. Default value is 32.  Trident-II: Value ranges from 1 to 128. Default value is 128.</p>	No
maximum-paths (OSPFv3)	maximum-paths (OSPFv3)	<p><b>Command Syntax</b></p> <pre>maximum-paths <i>paths</i> no maximum-paths default maximum-paths</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>paths</i> Value range is platform dependent:</li> </ul> <p>Arad: Value ranges from 1 to 128. Default value is 128.  FM6000: Value ranges from 1 to 32. Default value is 32.  PetraA: Value ranges from 1 to 16. Default value is 16.  Trident: Value ranges from 1 to 32. Default value is 32.  Trident-II: Value ranges from 1 to 128. Default value is 128.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor activate	neighbor activate	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID activate no neighbor NEIGHBOR_ID activate default neighbor NEIGHBOR_ID activate</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No
neighbor allowas-in	neighbor allowas-in	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID allowas-in [asn_quantity] no neighbor NEIGHBOR_ID allowas-in default neighbor NEIGHBOR_ID allowas-in</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>asn_quantity</b> Number of switches (ASN) allowed in path. Values range from 1 to 10. Default is 3.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor default-originate	neighbor default-originate	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID default-originate [MAP] no neighbor NEIGHBOR_ID default-originate default neighbor NEIGHBOR_ID default-originate</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>MAP</b> specifies route map that modifies attributes of the exported default route. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; attributes are not modified by a route map.</li> <li>— <b>route-map</b> <i>map_name</i> attributes set by specified route map are assigned to the exported default route.</li> </ul> </li> </ul>	No
neighbor description	neighbor description	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID description description_string no neighbor NEIGHBOR_ID description default neighbor NEIGHBOR_ID description</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Options include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>description_string</b> text string to be associated with the neighbor or peer group.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor ebgp-multihop	neighbor ebgp-multihop	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID ebgp-multihop [hop_number] no neighbor NEIGHBOR_ID ebgp-multihop default neighbor NEIGHBOR_ID ebgp-multihop</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <i>hop_number</i> time-to-live (hops). Values range from 1 to 255. Default value is 255.</li> </ul>	No
neighbor fall-over bfd	neighbor fall-over bfd	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID fall-over bfd no neighbor NEIGHBOR_ID fall-over bfd default neighbor NEIGHBOR_ID fall-over bfd</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor local-as	neighbor local-as	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID local-as as_id no-prepend replace-as no neighbor NEIGHBOR_ID local-as default neighbor NEIGHBOR_ID local-as</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>as_id</b> AS number that is prepended to the AS_PATH attribute. Values range from 1 to 4294967295. This parameter cannot be set to AS numbers from the local BGP routing process or the network of the remote peer.</li> </ul>	No
neighbor next-hop-self	neighbor next-hop-self	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID next-hop-self no neighbor NEIGHBOR_ID next-hop-self default neighbor NEIGHBOR_ID next-hop-self</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor password	neighbor password	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID password [ENCRYPT_LEVEL] key_text no neighbor NEIGHBOR_ID password default neighbor NEIGHBOR_ID password</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>ENCRYPT_LEVEL</b> the encryption level of the <i>key_text</i> parameter. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; indicates the <i>key_text</i> is in clear text.</li> <li>— 0 indicates <i>key_text</i> is in clear text. Equivalent to the &lt;no parameter&gt; case.</li> <li>— 7 indicates <i>key_text</i> is md5 encrypted.</li> </ul> </li> <li>• <i>key_text</i> the password.</li> </ul>	No
neighbor peer-group (assigning members)	neighbor peer-group (neighbor assignment)	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ADDR peer-group group_name no neighbor NEIGHBOR_ADDR peer-group default neighbor NEIGHBOR_ADDR peer-group</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ADDR</b> Address of a neighbor being added to peer group. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> </ul> </li> <li>• <i>group_name</i> peer group name.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor peer-group (creating)	neighbor peer-group (create)	<p><b>Command Syntax</b></p> <pre>neighbor group_name peer-group no neighbor group_name peer-group default neighbor group_name peer-group</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>group_name</i> peer group name.</li> </ul>	No
neighbor remote-as	neighbor remote-as	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID remote-as as_id no neighbor NEIGHBOR_ID remote-as default neighbor NEIGHBOR_ID remote-as</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>NEIGHBOR_ID</i> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <i>as_id</i> Autonomous system (AS) of the peer. Values range from 1 to 4294967295.</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor remove-private-as	neighbor remove-private-as	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID remove-private-as [REMOVAL] no neighbor NEIGHBOR_ID remove-private-as default neighbor NEIGHBOR_ID remove-private-as</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>REMOVAL</b> Specifies removal of private autonomous AS number when path includes both private and public numbers. Values include: <ul style="list-style-type: none"> <li>— <i>&lt;no parameter&gt;</i> private AS numbers is not removed.</li> <li>— <i>all</i> removes all private AS numbers from AS path in outbound updates.</li> <li>— <i>all replace-as</i> all private AS numbers in AS path are replaced with router's local AS number.</li> </ul> </li> </ul>	No
neighbor route-map	neighbor route-map (BGP)	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID route-map map_name DIRECTION no neighbor NEIGHBOR_ID route-map map_name DIRECTION default neighbor NEIGHBOR_ID route-map map_name DIRECTION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>map_name</b> name of a route map.</li> <li>• <b>DIRECTION</b> routes to which the route map is applied. Options include: <ul style="list-style-type: none"> <li>— <b>in</b> route map is applied to inbound routes.</li> <li>— <b>out</b> route map is applied to outbound routes.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor route-reflector-client	neighbor route-reflector-client	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID route-reflector-client no neighbor NEIGHBOR_ID route-reflector-client default neighbor NEIGHBOR_ID route-reflector-client</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address of neighbor. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No
neighbor send-community	neighbor send-community	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID send-community no neighbor NEIGHBOR_ID send-community default neighbor NEIGHBOR_ID send-community</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor shutdown	neighbor shutdown	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID shutdown no neighbor NEIGHBOR_ID shutdown default neighbor NEIGHBOR_ID shutdown</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No
neighbor soft-reconfiguration	neighbor soft-reconfiguration	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID soft-configuration inbound [SCOPE] no neighbor NEIGHBOR_ID soft-configuration inbound default neighbor NEIGHBOR_ID soft-configuration inbound</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>SCOPE</b> determines how routes including the switch's AS number are handled. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routes including the switch's AS number are discarded.</li> <li>— <b>all</b> routes including the switch's AS number are retained.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor timers	neighbor timers	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID timers keep_alive hold_time no neighbor NEIGHBOR_ID timers default neighbor NEIGHBOR_ID timers</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>keep_alive</b> keepalive period, in seconds. Values include <ul style="list-style-type: none"> <li>— <b>0</b> keepalive messages are not sent</li> <li>— <b>1 to 3600</b> keepalive time (seconds).</li> </ul> </li> <li>• <b>hold_time</b> hold time. Values include <ul style="list-style-type: none"> <li>— <b>0</b> peering is not disabled by timeout expiry; keepalive packets are not sent.</li> <li>— <b>3 to 7200</b> hold time (seconds).</li> </ul> </li> </ul>	No
neighbor transport connection-mode	neighbor transport connection-mode	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID transport connection-mode passive no neighbor NEIGHBOR_ID transport connection-mode default neighbor NEIGHBOR_ID transport connection-mode</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
neighbor update-source	neighbor update-source	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID update-source INTERFACE no neighbor NEIGHBOR_ID update-source default neighbor NEIGHBOR_ID update-source</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>INTERFACE</b> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> port channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No
neighbor weight	neighbor weight	<p><b>Command Syntax</b></p> <pre>neighbor NEIGHBOR_ID weight weight_value no neighbor NEIGHBOR_ID weight default neighbor NEIGHBOR_ID weight</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ID</b> IP address or peer group name. Values include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> neighbor's IPv4 address.</li> <li>— <i>ipv6_addr</i> neighbor's IPv6 address.</li> <li>— <i>group_name</i> peer group name.</li> </ul> </li> <li>• <b>weight_value</b> weight value. Values range from 1 to 65535.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
network area	network area (OSPFv2)	<p><b>Command Syntax</b></p> <pre>network ipv4_subnet area area_id no network ipv4_subnet area area_id default network ipv4_subnet area area_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>ipv4_subnet</i> IPv4 subnet. Entry formats include address-prefix (CIDR) or address-wildcard mask. <i>running-config</i> stores value in CIDR notation.</li> <li><i>area_id</i> area number. &lt;0 to 4294967295&gt; or &lt;0.0.0.0 to 255.255.255.255&gt; <i>Running-config</i> stores value in dotted decimal notation.</li> </ul>	No
no snmp-server	no snmp-server	<p><b>Command Syntax</b></p> <pre>no snmp-server default snmp-server</pre>	Yes
ntp authenticate	ntp authenticate	<p><b>Command Syntax</b></p> <pre>ntp authenticate no ntp authenticate default ntp authenticate</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ntp authentication-key	ntp authentication-key	<p><b>Command Syntax</b></p> <pre>ntp authentication-key key_id ENCRYPT_TYPE password_text no ntp authentication-key key_id default ntp authentication-key key_id</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>key_id</i> key ID number. Value ranges from 1 to 65534.</li> <li>• <i>ENCRYPT_TYPE</i> encryption method. Values include: <ul style="list-style-type: none"> <li>— <b>md5</b> <i>key_text</i> is MD5 encrypted.</li> <li>— <b>sha1</b> <i>key_text</i> is SHA-1 encrypted.</li> </ul> </li> <li>• <i>password_text</i> the authentication-key password.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ntp server	ntp server	<p><b>Command Syntax</b></p> <pre>ntp server [VRF_INSTANCE] SERVER_NAME [PREFERENCE] [NTP_VERSION] [IP_SOURCE] [burst] [iburst] [AUTH_KEY] [MAX_POLL_INT] [MIN_POLL_INT] no ntp [server [VRF_INSTANCE] SERVER_NAME] default ntp [server [VRF_INSTANCE] SERVER_NAME]</pre> <p>All parameters except <i>VRF_INSTANCE</i> and <i>SERVER_NAME</i> can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>VRF_INSTANCE</i> the VRF instance to be used for connection to the specified server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; connects using the default VRF.</li> <li>— <i>vrf vrf_name</i> connects using the specified user-defined VRF.</li> </ul> </li> <li>• <i>SERVER_NAME</i> NTP server location. Options include: <ul style="list-style-type: none"> <li>— <i>IP address</i> in dotted decimal notation</li> <li>— an FQDN host name</li> </ul> </li> <li>• <i>PREFERENCE</i> indicates priority of this server when the switch selects a synchronizing server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; server has no special priority.</li> <li>— <i>prefer</i> server has priority when the switch selects a synchronizing server.</li> </ul> </li> <li>• <i>NTP_VERSION</i> specifies the NTP version. Settings include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; sets NTP version to 4 (default).</li> <li>— <i>version number</i>, where <i>number</i> ranges from 1 to 4.</li> </ul> </li> <li>• <i>IP_SOURCE</i> specifies the source interface for NTP updates for the specified NTP server. This option overrides global settings created by the <i>ntp source</i> command. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; sets the source interface to the global default.</li> <li>— <i>source ethernet e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <i>source loopback l_num</i> loopback interface specified by <i>l_num</i>.</li> <li>— <i>source management m_num</i> management interface specified by <i>m_num</i>.</li> <li>— <i>source port-channel p_num</i> port-channel interface specified by <i>p_num</i>.</li> <li>— <i>source vlan v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> <li>• <i>burst</i> indicates that when the NTP server is reached, the switch sends packets to the server in bursts of eight instead of the usual one. Recommended only for local servers. Off by default.</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
		<ul style="list-style-type: none"> <li>• <b>iburst</b> indicates that the switch sends packets to the server in bursts of eight instead of the usual one until the server is reached. Recommended for general use to speed synchronization. Off by default.</li> <li>• <b>AUTH_KEY</b> the authentication key to use in authenticating NTP packets from the server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; no authentication key is specified.</li> <li>— <b>key &lt;1 to 65534&gt;</b> switch will use the specified key to authenticate NTP packets from the server.</li> </ul> </li> <li>• <b>MAX_POLL_INT</b> specifies the maximum polling interval for the server (as the base-2 logarithm of the interval in seconds). Settings include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; sets the maximum polling interval to 10 (1,024 seconds, the default).</li> <li>— <b>maxpoll number</b>, where <i>number</i> is the base-2 logarithm of the interval in seconds. Values range from 3 (8 seconds) to 17 (131,072 seconds, approximately 36 hours).</li> </ul> </li> <li>• <b>MIN_POLL_INT</b> specifies the minimum polling interval for the server (as the base-2 logarithm of the interval in seconds). Settings include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; sets the minimum polling interval to 6 (64 seconds, the default).</li> <li>— <b>minpoll number</b> where <i>number</i> is the base-2 logarithm of the interval in seconds. Values range from 3 (8 seconds) to 17 (131,072 seconds, approximately 36 hours).</li> </ul> </li> </ul>	

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
ntp source	ntp source	<p><b>Command Syntax</b></p> <pre>ntp source [VRF_INSTANCE] INT_PORT no ntp source default ntp source</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> the VRF instance to be used for connection to the specified server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; connects using the default VRF.</li> <li>— <b>vrf vrf_name</b> connects using the specified user-defined VRF.</li> </ul> </li> <li>• <b>INT_PORT</b> the interface port that specifies the NTP source. Settings include: <ul style="list-style-type: none"> <li>— <b>ethernet e_range</b> Ethernet interface list.</li> <li>— <b>loopback l_range</b> loopback interface list.</li> <li>— <b>management m_range</b> management interface list.</li> <li>— <b>port-channel c_range</b> port channel interface list.</li> <li>— <b>vlan v_range</b> VLAN interface list.</li> </ul> </li> </ul>	No
ntp trusted-key	ntp trusted-key	<p><b>Command Syntax</b></p> <pre>ntp trusted-key key_list no ntp trusted-key default ntp trusted-key</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>key_list</b> specified one or more keys. Formats include a number (1 to 65534), number range, or comma-delimited list of numbers and ranges.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
passive-interface	passive-interface <interface> (OSPFv2)	<p><b>Command Syntax</b></p> <pre>passive-interface <i>INTERFACE_NAME</i> no passive-interface <i>INTERFACE_NAME</i> default passive-interface <i>INTERFACE_NAME</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE_NAME</i> interface to be configured. Options include: <ul style="list-style-type: none"> <li>— ethernet <i>e_range</i></li> <li>— port-channel <i>p_range</i></li> <li>— vlan <i>v_range</i></li> <li>— vxlan <i>vx_range</i></li> </ul> </li> </ul>	No
passive-interface (OSPFv3)	passive-interface (OSPFv3)	<p><b>Command Syntax</b></p> <pre>passive-interface <i>INTERFACE_NAME</i> no passive-interface <i>INTERFACE_NAME</i> default passive-interface <i>INTERFACE_NAME</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE_NAME</i> Options include: <ul style="list-style-type: none"> <li>— ethernet <i>e_range</i></li> <li>— loopback <i>l_range</i></li> <li>— management <i>m_range</i></li> <li>— port-channel <i>p_range</i></li> <li>— vlan <i>v_range</i></li> <li>— vxlan <i>vx_range</i></li> <li>— default</li> </ul> </li> </ul> <p>Valid <i>e_range</i>, <i>l_range</i>, <i>m_range</i>, <i>p_range</i>, <i>v_range</i>, and <i>vx_range</i> formats include number, range, or comma-delimited list of numbers and ranges.</p>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
passive-interface default	passive-interface default (OSPFv2)	<b>Command Syntax</b> <code>passive-interface default</code> <code>no passive-interface default</code> <code>default passive-interface default</code>	Yes
policy-map type control-plane	policy-map type control-plane	<b>Command Syntax</b> <code>policy-map type control-plane copp-system-policy</code> <code>no policy-map type control-plane copp-system-policy</code> <code>default policy-map type control-plane copp-system-policy</code>  <code>copp-system-policy</code> is supplied with the switch and is the only valid control plane policy map.	No
policy-map type qos	policy-map type qos	<b>Command Syntax</b> <code>policy-map [type qos] map_name</code> <code>no policy-map [type qos] map_name</code> <code>default policy-map [type qos] map_name</code>  <code>policy-map map_name</code> and <code>policy-map type qos map_name</code> are identical commands.  <b>Parameters</b> <ul style="list-style-type: none"> <li><code>map_name</code> Name of policy map.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
port-channel load-balance	port-channel load-balance	<p><b>Command Syntax</b></p> <pre>port-channel load-balance platform { hash_seed   fields ip fields   hash hash_function } no port-channel load-balance platform [hash_seed] default port-channel load-balance platform [hash_seed]</pre> <p><b>Parameters</b></p> <hr/> <p><b>Important</b> Parameter options vary by switch model. Verify available options with the ? command.</p> <hr/> <ul style="list-style-type: none"> <li>• <i>platform</i> ASIC switching device. Value depends on the switch model.</li> <li>• <i>hash_seed</i> The numerical seed for the hash function. Value range varies by switch platform: <ul style="list-style-type: none"> <li>— <b>arad</b> 0 to 65535.</li> <li>— <b>fm6000</b> 0 to 39.</li> <li>— <b>petraA</b> uses field inputs only.</li> <li>— <b>trident</b> 0 to 47.</li> </ul> <p>For trident platform switches, algorithms using hash seeds between 0 and 15 typically result in more effective distribution of data streams across the port channels.</p> </li> <li>• <i>fields</i> Which fields will be used as inputs to the port channel hash. <ul style="list-style-type: none"> <li>— <b>gre</b> Configure which GRE fields are inputs to the hash.</li> <li>— <b>ip</b> Configure which fields are inputs to the hash for IPv4 packets.</li> <li>— <b>ipv6</b> Configure which fields are inputs to the hash for IPv6 packets.</li> <li>— <b>mac</b> Configure which MAC fields are inputs to the hash.</li> <li>— <b>mac-in-mac</b> Configure which MAC-in-MAC fields are inputs to the hash.</li> <li>— <b>mpls</b> Configure which MPLS fields are inputs to the hash.</li> </ul> </li> </ul> <ul style="list-style-type: none"> <li>— <b>destination-ip</b> Use the layer 3 IP destination address in the hash.</li> <li>— <b>destination-port</b> Use the layer 4 TCP/UDP destination port in the hash.</li> <li>— <b>dst-ip</b> Use the destination IP address in the hash.</li> <li>— <b>dst-mac</b> Use the destination Payload MAC in the hash (or the destination MAC address in the MAC hash).</li> <li>— <b>eth-type</b> Use the Ethernet type in the MAC hash.</li> <li>— <b>ip-in-ip</b> Use the outer IP header in the hash for IPv4 over IPv4 GRE tunnel.</li> <li>— <b>ip-in-ipv6</b> Use the outer IP header in the hash for IPv4 over IPv6 GRE tunnel.</li> <li>— <b>ipv6-in-ip</b> Use the outer IP header in the hash for IPv6 over IPv4 GRE tunnel.</li> <li>— <b>ipv6-in-ipv6</b> Use the outer IP header in the hash for IPv6 over IPv6 GRE tunnel.</li> <li>— <b>ip-tcp-udp-header</b> Use the layer 3 and layer 4 hashes.</li> <li>— <b>isid</b> Use the MAC-in-MAC ISID in the hash.</li> <li>— <b>label</b> Use the MPLS label in the hash.</li> <li>— <b>mac-header</b> Use the MAC hash.</li> <li>— <b>outer-mac</b> Use the outer MAC of source and destination in the hash.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
		<ul style="list-style-type: none"> <li>— <b>source-ip</b> Use the layer 3 IP source address in the hash.</li> <li>— <b>src-ip</b> Use the source IP address in the hash.</li> <li>— <b>source-port</b> Use layer 4 TCP/UDP source port in the hash.</li> <li>— <b>src-mac</b> Use the source payload MAC in the hash (or the source MAC address in the MAC hash).</li> <li>• <i>hash_function</i> Specifies the hash polynomial function. Values range from 0-2.</li> </ul>	
port-channel min-links	port-channel min-links	<p><b>Command Syntax</b></p> <pre>port-channel min-links <i>quantity</i> no port-channel min-links default port-channel min-links</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>quantity</i> minimum number of interfaces. Value range varies by platform. Default value is 0.</li> </ul>	No
priority1	ptp priority1	<p><b>Command Syntax</b></p> <pre>ptp priority1 <i>priority_rate</i> no ptp priority1 default ptp priority1</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>priority_rate</i> Value ranges from 0 to 255. Default is 128.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
priority2	ptp priority2	<b>Command Syntax</b> <pre>ptp priority2 priority_rate no ptp priority2 default ptp priority2</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>priority_rate</i> Specifies the priority 2 level for the PTP clock. Value ranges from 0 to 255; default value is 128.</li> </ul>	No
priority-flow-control mode	priority-flow-control mode	<b>Command Syntax</b> <pre>priority-flow-control mode on no priority-flow-control mode [on] default priority-flow-control mode [on]</pre>	No
private-vlan	private-vlan	<b>Command Syntax</b> <pre>private-vlan [VLAN_TYPE] primary vlan v_num no private-vlan default private-vlan</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>VLAN_TYPE</i> private VLAN type. Options include: <ul style="list-style-type: none"> <li><b>community</b> community private VLAN.</li> <li><b>isolated</b> isolated private VLAN.</li> </ul> </li> <li><i>v_num</i> VLAN ID of primary VLAN to which the configuration mode VLAN is bound.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
private-vlan mapping	private-vlan mapping	<p><b>Command Syntax</b></p> <pre>private-vlan mapping <i>EDIT_ACTION</i> no private-vlan mapping default private-vlan mapping</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>EDIT_ACTION</i> modifications to the VLAN list. <ul style="list-style-type: none"> <li>— <i>v_range</i> Creates VLAN list from <i>v_range</i>.</li> <li>— <b>add</b> <i>v_range</i> Adds specified VLANs to current list.</li> <li>— <b>except</b> <i>v_range</i> VLAN list contains all VLANs except those specified.</li> </ul> </li> </ul> <p>Valid <i>v_range</i> formats include number, range, or comma-delimited list of numbers and ranges.</p>	No
ptp domain	ptp domain	<p><b>Command Syntax</b></p> <pre>ptp domain <i>domain_number</i> no ptp domain default ptp domain</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>domain_number</i> Value ranges from 0 to 255.</li> </ul>	No
ptp sync interval	ptp sync interval	<p><b>Command Syntax</b></p> <pre>ptp sync interval <i>log_interval</i> no ptp sync interval default ptp sync interval</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>log_interval</i> The interval between PTP synchronization messages sent from the master to the slave (base 2 log(seconds)). Values range from -1 to 3; default value is 0 (1 second).</li> </ul>	No



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
radius-server deadtime	radius-server deadtime	<p><b>Command Syntax</b></p> <pre>radius-server deadtime dead_interval no radius-server deadtime default radius-server deadtime</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>dead_interval</i> period that the switch ignores non-responsive servers (minutes). Value ranges from 1 to 1000. Default is 3.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
radius-server host	radius-server host	<p><b>Command Syntax</b></p> <pre>radius-server host ADDR [VRF_INST] [AUTH] [ACCT] [TIMEOUT] [DEAD] [RETRAN] [ENCRYPT] no radius-server host [ADDR] [VRF_INST] [AUTH] [ACCT] default radius-server host [ADDR] [VRF_INST] [AUTH] [ACCT]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>ADDR</b> RADIUS server location. Options include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> server's IPv4 address.</li> <li>— <i>host_name</i> server's DNS host name (FQDN).</li> </ul> </li> <li>• <b>VRF_INST</b> specifies the VRF instance used to communicate with the specified server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; switch communicates with the server using the default VRF.</li> <li>— <b>vrf vrf_name</b> switch communicates with the server using the specified user-defined VRF.</li> </ul> </li> <li>• <b>AUTH</b> Authorization port number. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; default port of 1812.</li> <li>— <b>auth-port number</b> <i>number</i> ranges from 1 to 65535.</li> </ul> </li> <li>• <b>ACCT</b> Accounting port number. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; default port of 1813.</li> <li>— <b>acct-port number</b> <i>number</i> ranges from 1 to 65535.</li> </ul> </li> <li>• <b>TIMEOUT</b> timeout period (seconds). Ranges from 1 to 1000. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns global timeout value (see <a href="#">radius-server timeout</a>).</li> <li>— <b>timeout number</b> assigns <i>number</i> as the timeout period. Ranges from 1 to 1000.</li> </ul> </li> <li>• <b>DEAD</b> period (minutes) when the switch ignores a non-responsive RADIUS server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns global deadtime value (see <a href="#">radius-server deadtime</a>).</li> <li>— <b>deadtime number</b> specifies deadtime, where <i>number</i> ranges from 1 to 1000.</li> </ul> </li> <li>• <b>RETRAN</b> attempts to access RADIUS server after the first timeout expiry. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns global retransmit value (see <a href="#">radius-server retransmit</a>).</li> <li>— <b>retransmit number</b> specifies number of attempts, where <i>number</i> ranges from 1 to 100.</li> </ul> </li> <li>• <b>ENCRYPT</b> encryption key that switch and server use to communicate. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns global encryption key (see <a href="#">radius-server key</a>).</li> <li>— <b>key key_text</b> where <i>key_text</i> is in clear text.</li> <li>— <b>key 5 key_text</b> where <i>key_text</i> is in clear text.</li> <li>— <b>key 7 key_text</b> where <i>key_text</i> is provide in an encrypted string.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
radius-server key	radius-server key	<p><b>Command Syntax</b></p> <pre>radius-server key [ENCRYPT_TYPE] encrypt_key no radius-server key default radius-server key</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ENCRYPT_TYPE</i> encryption level of <i>encrypt_key</i>. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; encryption key is entered as clear text.</li> <li>— 0 encryption key is entered as clear text. Equivalent to &lt;no parameter&gt;.</li> <li>— 7 <i>encrypt_key</i> is an encrypted string.</li> </ul> </li> <li>• <i>encrypt_key</i> shared key that authenticates the username. <ul style="list-style-type: none"> <li>— <i>encrypt_key</i> must be in clear text if <i>ENCRYPT_TYPE</i> specifies clear text.</li> <li>— <i>encrypt_key</i> must be an encrypted string if <i>ENCRYPT_TYPE</i> specifies an encrypted string.</li> </ul> </li> </ul> <p>Encrypted strings entered through this parameter are generated elsewhere.</p>	No
radius-server retransmit	radius-server retransmit	<p><b>Command Syntax</b></p> <pre>radius-server retransmit count no radius-server retransmit default radius-server retransmit</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>count</i> retransmit attempts after first timeout expiry. Settings range from 1 to 100. Default is 3.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
radius-server timeout	radius-server timeout	<p><b>Command Syntax</b></p> <pre>radius-server timeout time_period no radius-server timeout default radius-server timeout</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>time_period</i> timeout period (seconds). Range from 1 to 1000. Default is 5.</li> </ul>	No
redundancy force-switchover	redundancy force-switchover	<p><b>Command Syntax</b></p> <pre>redundancy force-switchover</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
route-map	route-map	<p><b>Command Syntax</b></p> <pre>route-map map_name [FILTER_TYPE] [sequence_number] no route-map map_name [FILTER_TYPE] [sequence_number] default route-map map_name [FILTER_TYPE] [sequence_number]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>map_name</i> label assigned to route map. Protocols reference this label to access the route map.</li> <li>• <i>FILTER_TYPE</i> disposition of routes matching conditions specified by route map clause. <ul style="list-style-type: none"> <li>— <b>permit</b> routes are redistributed when they match route map clause.</li> <li>— <b>deny</b> routes are not redistributed when they match route map clause.</li> <li>— &lt;No parameter&gt; assigns <b>permit</b> as the <i>FILTER_TYPE</i>.</li> </ul> </li> </ul> <p>When a route does not match the route map criteria, the next clause within the route map is evaluated to determine the redistribution action for the route.</p> <ul style="list-style-type: none"> <li>• <i>sequence_number</i> the route map position relative to other clauses with the same name. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; sequence number of 10 (default) is assigned to the route map.</li> <li>— &lt;1-16777215&gt; specifies sequence number assigned to route map.</li> </ul> </li> </ul>	No
router bgp	router bgp	<p><b>Command Syntax</b></p> <pre>router bgp as_id no router bgp default router bgp</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>as_id</i> Autonomous system (AS) number. Values range from 1 to 4294967295.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
router isis	router isis	<p><b>Command Syntax</b></p> <pre>router isis instance_name [VRF_INSTANCE] no router isis instance_name default router isis instance_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>instance_name</i> routing instance.</li> <li>• <i>VRF_INSTANCE</i> <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>vrf vrf_name</i></li> </ul> </li> </ul>	No
router ospf	router ospf	<p><b>Command Syntax</b></p> <pre>router ospf process_id [VRF_INSTANCE] no router ospf process_id [VRF_INSTANCE] default router ospf process_id [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>process_id</i> OSPFv2 process ID. Values range from 1 to 65535.</li> <li>• <i>VRF_INSTANCE</i> <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>vrf vrf_name</i></li> </ul> </li> </ul>	No
router rip	router rip	<p><b>Command Syntax</b></p> <pre>router rip no router rip default router rip</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
router-id	router-id (OSPFv2)	<b>Command Syntax</b> <code>router-id identifier</code> <code>no router-id [identifier]</code> <code>default router-id [identifier]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>identifier</i> Value ranges from 0.0.0.0 to 255.255.255.255.</li> </ul>	No
router-id (OSPFv3)	router-id (OSPFv3)	<b>Command Syntax</b> <code>router-id identifier</code> <code>no router-id</code> <code>default router-id</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>identifier</i> Value ranges from 0.0.0.0 to 255.255.255.255 (dotted decimal notation).</li> </ul>	No
routing-context vrf	routing-context vrf	<b>Command Syntax</b> <code>routing-context vrf [VRF_ID]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>VRF_ID</i> Name of VRF assigned as the current VRF scope. Options include: <ul style="list-style-type: none"> <li><i>vrf_name</i> Name of user-defined VRF.</li> <li><b>default</b> System-default VRF.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
service sequence-numbers	service sequence-numbers	<b>Command Syntax</b> <code>service sequence-numbers</code> <code>no service sequence-numbers</code> <code>default service sequence-numbers</code>	Yes
set-overload-bit	set-overload-bit	<b>Command Syntax</b> <code>set-overload-bit TIMING</code> <code>no set-overload-bit</code> <code>default set-overload-bit</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>TIMING</i> Options include: <ul style="list-style-type: none"> <li><code>&lt;no parameter&gt;</code></li> <li><code>on-startup &lt;1 to 3600&gt;</code></li> </ul> </li> </ul>	No
show aaa method-lists	show aaa method-lists	<b>Command Syntax</b> <code>show aaa method-lists SERVICE_TYPE</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>SERVICE_TYPE</i> the service type of the method lists that the command displays. <ul style="list-style-type: none"> <li><code>accounting</code> accounting services.</li> <li><code>authentication</code> authentication services.</li> <li><code>authorization</code> authorization services.</li> <li><code>all</code> accounting, authentication, and authorization services.</li> </ul> </li> </ul>	No



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show aaa sessions	show aaa sessions	<b>Command Syntax</b> show aaa sessions	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show arp	show arp	<p><b>Command Syntax</b></p> <pre>show arp [VRF_INST] [FORMAT] [HOST_ADD] [HOST_NAME] [INTF] [MAC_ADDR] [DATA]</pre> <p><b>Parameters</b></p> <p>The <i>VRF_INST</i> and <i>FORMAT</i> parameters are always listed first and second. The <i>DATA</i> parameter is always listed last. All other parameters can be placed in any order.</p> <ul style="list-style-type: none"> <li>• <i>VRF_INST</i> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <i>vrf vrf_name</i> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> <li>• <i>FORMAT</i> Display format of host address. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; entries associate hardware address with an IPv4 address.</li> <li>— <b>resolve</b> entry associate hardware address with a host name (if it exists).</li> </ul> </li> <li>• <i>HOST_ADD</i> IPv4 address by which routing table entries are filtered. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routing table entries are not filtered by host address.</li> <li>— <i>ipv4_addr</i> table entries matching specified IPv4 address.</li> </ul> </li> <li>• <i>HOST_NAME</i> Host name by which routing table entries are filtered. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routing table entries are not filtered by host name.</li> <li>— <b>host hostname</b> entries matching <i>hostname</i> (text).</li> </ul> </li> <li>• <i>INTF</i> interfaces for which command displays status. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table entries are not filtered by interface.</li> <li>— <b>interface ethernet</b> <i>e_num</i> Routed Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface loopback</b> <i>l_num</i> Routed loopback interface specified by <i>l_num</i>.</li> <li>— <b>interface management</b> <i>m_num</i> Routed management interface specified by <i>m_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> Routed port channel Interface specified by <i>p_num</i>.</li> <li>— <b>interface vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>interface vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <i>MAC_ADDR</i> MAC address by which routing table entries are filtered. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table entries are not filtered by interface MAC address.</li> <li>— <b>mac_address</b> <i>mac_address</i> entries matching <i>mac_address</i> (dotted hex notation – H.H.H).</li> </ul> </li> <li>• <i>DATA</i> Detail of information provided by command. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table entries.</li> <li>— <b>summary</b> Summary of ARP table entries.</li> <li>— <b>summary total</b> Number of ARP table entries.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show bfd neighbors	show bfd neighbors	<p><b>Command Syntax</b></p> <pre>show bfd neighbors [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>INFO_LEVEL</b> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; command displays data block for each specified interface.</li> <li><b>detail</b> command displays table that summarizes interface data.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li><b>DstAddr</b> IP address of the BFD neighbor.</li> <li><b>MyDisc</b> Local discriminator value of the BFD session.</li> <li><b>YoDisc</b> Neighbor's discriminator value for the BFD session.</li> <li><b>If</b> Interface to which the neighbor is connected.</li> <li><b>LUp</b> Last up.</li> <li><b>LDown</b> Last down.</li> <li><b>Ldiag</b> Diagnostic for the last change in session state.</li> <li><b>State</b> State of the BFD session.</li> <li><b>TxInt</b> Transmit interval of the local interface.</li> <li><b>RxInt</b> Minimum receive interval set on the local interface.</li> <li><b>Multiplier</b> Local multiplier (number of packets that must be missed to declare session down).</li> <li><b>Received RxInt</b> Minimum receive interval set on the neighbor interface.</li> <li><b>Received Multiplier</b> Neighbor's multiplier (number of packets that must be missed to declare session down).</li> <li><b>Rx Count</b> BFD control packets transmitted.</li> <li><b>Tx Count</b> BFD control packets received.</li> <li><b>Detect Time</b> Total time in milliseconds it takes for BFD to detect connection failure.</li> <li><b>Registered Protocols</b> Protocols using BFD with this neighbor.</li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show clock	show clock	<b>Command Syntax</b> show clock	Yes
show dot1q-tunnel	show dot1q-tunnel	<b>Command Syntax</b> show dot1q-tunnel [ <i>INTERFACE</i> ]  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Interface type and numbers. Options include:               <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interface range specified by <i>vx_range</i>.</li> </ul> </li> </ul> <p>Valid <i>range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show dot1x	show dot1x	<p><b>Command Syntax</b></p> <p><code>show dot1x <i>INTERFACE_NAME</i> <i>INFO</i></code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE_NAME</i> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— <b>all</b> Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> <li>• <i>INFO</i> Type of information the command displays. Values include: <ul style="list-style-type: none"> <li>— <b>&lt;no parameter&gt;</b> displays summary of the specified interface.</li> <li>— <b>detail</b> displays all 802.1x information for the specified interface.</li> </ul> </li> </ul>	No
show dot1x all summary	show dot1x all summary	<p><b>Command Syntax</b></p> <p><code>show dot1x all summary</code></p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show dot1x statistics	show dot1x statistics	<p><b>Command Syntax</b></p> <pre>show dot1x <i>INTERFACE_NAME</i> statistics</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE_NAME</i> Interface type and number. Options include: <ul style="list-style-type: none"> <li>— <b>all</b> Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul> <p><b>Output Fields</b></p> <ul style="list-style-type: none"> <li>• RxStart Number of EAPOL-Start frames received on the port.</li> <li>• TxReqId Number of EAP-Request/Identity frames transmitted on the port.</li> <li>• RxVersion Version number of the last EAPOL frame received on the port.</li> <li>• RxLogoff Number of EAPOL-Logoff frames received on the port.</li> <li>• RxInvalid Number of invalid EAPOL frames received on the port.</li> <li>• TxReq Number of transmitted EAP-Request frames that were not EAP-Request/Identity.</li> <li>• LastRxSrcMAC The source MAC address in the last EAPOL frame received on the port.</li> <li>• RxRespId The number of EAP-Response/Identity frames received on the port.</li> <li>• RxTotal The total number of EAPOL frames transmitted on the port.</li> <li>• TxTotal The total number of EAPOL frames transmitted on the port.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show environment all	show environment all	<b>Command Syntax</b> show environment all	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show environment cooling	show environment cooling	<p><b>Command Syntax</b></p> <pre>show environment cooling [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INFO_LEVEL</b> specifies level of detail that the command displays. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays the fan status, air flow direction, and ambient switch temperature.</li> <li>— <b>detail</b> also displays actual and configured fan speed of each fan.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• <b>System cooling status:</b> <ul style="list-style-type: none"> <li>— <b>Ok</b> no more than one fan has failed or is not inserted.</li> <li>— <b>Insufficient fans</b> more than one fan has failed or is not inserted. This status is also displayed if fans with different airflow directions are installed. The switch shuts down if the error is not resolved.</li> </ul> </li> <li>• <b>Ambient temperature</b> temperature of the surrounding area.</li> <li>• <b>Airflow</b> indicates the direction of the installed fans: <ul style="list-style-type: none"> <li>— <b>front-to-back</b> all fans flow air from the front to the rear of the chassis.</li> <li>— <b>back-to-front</b> all fans flow air from the rear to the front of the chassis.</li> <li>— <b>incompatible fans</b> fans with different airflow directions are inserted.</li> <li>— <b>Unknown</b> The switch is initializing.</li> </ul> </li> <li>• <b>Fan Tray Status table</b> displays the status and operating speed of each fan. Status values indicate the following conditions: <ul style="list-style-type: none"> <li>— <b>OK</b> The fan is operating normally.</li> <li>— <b>Failed</b> The fan is not operating normally.</li> <li>— <b>Unknown</b> The system is initializing.</li> <li>— <b>Not Inserted</b> The system is unable to detect the specified fan.</li> <li>— <b>Unsupported</b> The system detects a fan that the current software version does not support.</li> </ul> </li> </ul>	Yes



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show environment power	show environment power	<p><b>Command Syntax</b></p> <pre>show environment power [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INFO_LEVEL</b> specifies level of detail that the command displays. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays current and power levels for each supply.</li> <li>— <b>detail</b> also includes status codes that can report error conditions.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show environment temperature	show environment temperature	<p><b>Command Syntax</b></p> <pre>show environment temperature [MODULE_NAME] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>MODULE_NAME</b> Specifies modules for which data is displayed. This parameter is only available on modular switches. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All modules (identical to <b>all</b> option).</li> <li>— <b>fabric</b> <i>fab_num</i> Specified fabric module. Number range varies with switch model.</li> <li>— <b>linecard</b> <i>line_num</i> Linecard module. Number range varies with switch model.</li> <li>— <b>supervisor</b> <i>super_num</i> Supervisor module. Number range varies with switch model.</li> <li>— <i>mod_num</i> Supervisor (1 to 2) or linecard (3 to 18) module.</li> <li>— <b>all</b> All modules.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> specifies level of detail that the command displays. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays table that lists the temperature and thresholds of each sensor.</li> <li>— <b>detail</b> displays data block for each sensor listing the current temperature and historic data.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• <b>System temperature status</b> is the first line that the command displays. Values report the following: <ul style="list-style-type: none"> <li>— <b>Ok</b> All sensors report temperatures below the alert threshold.</li> <li>— <b>Overheating</b> At least one sensor reports a temperature above its alert threshold.</li> <li>— <b>Critical</b> At least one sensor reports a temperature above its critical threshold.</li> <li>— <b>Unknown</b> The switch is initializing.</li> <li>— <b>Sensor Failed</b> At least one sensor is not functioning.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show etherchannel	show etherchannel	<p><b>Command Syntax</b></p> <pre>show etherchannel [MEMBERS] [PORT_LIST] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>MEMBERS</b> list of port channels for which information is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all configured port channels.</li> <li>— <i>p_range</i> ports in specified channel list (number, number range, or list of numbers and ranges).</li> </ul> </li> <li>• <b>PORT_LEVEL</b> ports displayed, in terms of aggregation status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays information on ports that are active members of the LAG.</li> <li>— <b>active-ports</b> Displays information on ports that are active members of the LAG.</li> <li>— <b>all-ports</b> Displays information on all ports (active or inactive) configured for LAG.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays information at the brief level.</li> <li>— <b>brief</b> Displays information at the brief level.</li> <li>— <b>detailed</b> Displays information at the detail level.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• <b>Port Channel</b> Type and name of the port channel.</li> <li>• <b>Time became active</b> Time when the port channel came up.</li> <li>• <b>Protocol</b> Protocol operating on the port.</li> <li>• <b>Mode</b> Status of the Ethernet interface on the port. The status value is Active or Inactive.</li> <li>• <b>No active ports</b> Number of active ports on the port channel.</li> <li>• <b>Configured but inactive ports</b> Ports configured but that are not actively up.</li> <li>• <b>Reason unconfigured</b> Reason why the port is not part of the LAG.</li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show hostname	show hostname	<b>Command Syntax</b> show hostname	Yes
show hosts	show hosts	<b>Command Syntax</b> show hosts	Yes
show interfaces	show interfaces	<b>Command Syntax</b> show interfaces [INT_NAME]  <b>Parameters</b> <ul style="list-style-type: none"> <li>INT_NAME Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; all interfaces.</li> <li>ethernet e_range Ethernet interface range specified by e_range.</li> <li>loopback l_range Loopback interface specified by l_range.</li> <li>management m_range Management interface range specified by m_range.</li> <li>port-channel p_range Port-Channel Interface range specified by p_range.</li> <li>vlan v_range VLAN interface range specified by v_range.</li> <li>vxlax vx_range VXLAX interface range specified by vx_range.</li> </ul> </li> </ul> Valid range formats include number, number range, or comma-delimited list of numbers and ranges.	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show interfaces capabilities	show interfaces capabilities	<p><b>Command Syntax</b></p> <pre>show interfaces [<i>INTERFACE</i>] capabilities</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> </ul> </li> </ul> <p>Valid <i>e_range</i> and <i>m_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes
show interfaces description	show interfaces description	<p><b>Command Syntax</b></p> <pre>show interfaces [<i>INT_NAME</i>] description</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INT_NAME</i> Interface type and labels. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interface range specified by <i>vx_range</i>.</li> </ul> </li> </ul> <p>Range formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show interfaces flowcontrol	show flowcontrol	<p><b>Command Syntax</b></p> <pre>show flowcontrol [INTERFACE] show [INTERFACE] flowcontrol</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE</b> Interface type and number for which flow control data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interfaces in the specified range.</li> <li>— <b>management</b> <i>m_range</i> Management interfaces in the specified range.</li> </ul> </li> </ul> <p>Valid <i>e_range</i> and <i>m_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes
show interfaces private-vlan mapping	show interfaces private-vlan mapping	<p><b>Command Syntax</b></p> <pre>show interfaces [INT_NAME] private-vlan mapping</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INT_NAME</b> Interface type and labels. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interface range specified by <i>vx_range</i>.</li> </ul> </li> </ul> <p>Valid range formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show interfaces status	show interfaces status	<p><b>Command Syntax</b></p> <pre>show interfaces [INTERFACE] status [STATUS_TYPE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE</b> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All existing interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interfaces in the specified range.</li> <li>— <b>management</b> <i>m_range</i> Management interfaces in the specified range.</li> <li>— <b>port-channel</b> <i>p_range</i> All existing port-channel interfaces in the specified range.</li> </ul> <p>Valid <i>e_range</i>, <i>m_range</i>, and <i>p_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p> </li> <li>• <b>STATUS_TYPE</b> interface status upon which the command filters output. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command does not filter on interface status.</li> <li>— <b>connected</b> interfaces connected to another port.</li> <li>— <b>notconnect</b> unconnected interfaces that are capable of connecting to another port.</li> <li>— <b>disabled</b> interfaces that have been powered down or disabled.</li> </ul> <p>Command may include multiple status types (<b>connected notconnect disabled</b>), which can be placed in any order.</p> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show interfaces switchport	show interfaces switchport	<p><b>Command Syntax</b></p> <pre>show interfaces [<i>INTERFACE</i>] switchport</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>INTERFACE</i> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; Display information for all interfaces.</li> <li><b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li><b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li><b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li><b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li><b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> </ul> </li> </ul> <p>Valid <i>e_range</i>, <i>l_range</i>, <i>m_range</i>, <i>p_range</i>, and <i>v_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show interfaces switchport backup	show interfaces switchport backup	<p><b>Command Syntax</b></p> <pre>show interfaces [<i>INTERFACE</i>] switchport backup</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>INTERFACE</i> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; Display information for all interfaces.</li> <li><b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li><b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li><b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li><b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li><b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> </ul> <p>Valid <i>e_range</i>, <i>l_range</i>, <i>m_range</i>, <i>p_range</i>, and <i>v_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li><b>State</b> Operational status of the interface. Values include: <ul style="list-style-type: none"> <li><i>Up</i> Spanning tree mode is <i>backup</i>, interface status is <i>up</i>.</li> <li><i>Down</i> Spanning tree mode is <i>backup</i>, interface status is <i>down</i>.</li> <li><i>Inactive Configuration</i> The spanning tree mode is not <i>backup</i>.</li> </ul> </li> <li><b>Forwarding vlans</b> VLANs forwarded by the interface. Depends on interface operation status and prefer option specified by the <b>switchport backup</b> command.</li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show interfaces transceiver	show interfaces transceiver	<p><b>Command Syntax</b></p> <pre>show interfaces [<i>INTERFACE</i>] transceiver [<i>DATA_FORMAT</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> </ul> Valid <i>e_range</i>, and <i>m_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</li> <li>• <i>DATA_FORMAT</i> format used to display the data. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; table entries separated by tabs.</li> <li>— <b>csv</b> table entries separated by commas.</li> </ul> </li> </ul>	Yes
show interfaces trunk	show interfaces trunk	<p><b>Command Syntax</b></p> <pre>show interfaces [<i>INTERFACE</i>] trunk</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE</i> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> </ul> Valid <i>e_range</i>, <i>m_range</i>, and <i>p_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show inventory	show inventory	<b>Command Syntax</b> show inventory	Yes
show ip access-lists	show ip access-lists	<b>Command Syntax</b> show ip access-list [ <i>LIST</i> ] [ <i>SCOPE</i> ]  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>LIST</i> name of lists to be displayed. Selection options include:               <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all IPv4 ACLs are displayed.</li> <li>— <i>list_name</i> specified IPv4 ACL is displayed.</li> </ul> </li> <li>• <i>SCOPE</i> information displayed. Selection options include:               <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all rules in the specified lists are displayed.</li> <li>— <b>summary</b> the number of rules in the specified lists are displayed.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip arp	show ip arp	<p><b>Command Syntax</b></p> <pre>show ip arp [VRF_INST] [FORMAT] [HOST_ADDR] [HOST_NAME] [INTF] [MAC_ADDR] [DATA]</pre> <p><b>Parameters</b></p> <p>The <i>VRF_INST</i> and <i>FORMAT</i> parameters are always listed first and second. The <i>DATA</i> parameter is always listed last. All other parameters can be placed in any order.</p> <ul style="list-style-type: none"> <li>• <i>VRF_INST</i> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <i>vrf vrf_name</i> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> <li>• <i>FORMAT</i> Display format of host address. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; entries associate hardware address with an IPv4 address.</li> <li>— <b>resolve</b> entry associate hardware address with a host name (if it exists).</li> </ul> </li> <li>• <i>HOST_ADDR</i> IPv4 address by which routing table entries are filtered. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routing table entries are not filtered by host address.</li> <li>— <i>ipv4_addr</i> table entries matching specified IPv4 address.</li> </ul> </li> <li>• <i>HOST_NAME</i> Host name by which routing table entries are filtered. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routing table entries are not filtered by host name.</li> <li>— <b>host</b> <i>hostname</i> entries matching <i>hostname</i> (text).</li> </ul> </li> <li>• <i>INTERFACE_NAME</i> interfaces for which command displays status. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table entries are not filtered by interface.</li> <li>— <b>interface ethernet</b> <i>e_num</i> Routed Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface loopback</b> <i>l_num</i> Routed loopback interface specified by <i>l_num</i>.</li> <li>— <b>interface management</b> <i>m_num</i> Routed management interface specified by <i>m_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> Routed port channel Interface specified by <i>p_num</i>.</li> <li>— <b>interface vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>interface vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <i>MAC_ADDR</i> MAC address by which routing table entries are filtered. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table entries are not filtered by interface MAC address.</li> <li>— <b>mac_address</b> <i>mac_address</i> entries matching <i>mac_address</i> (dotted hex notation – H.H.H).</li> </ul> </li> <li>• <i>DATA</i> Detail of information provided by command. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Routing table entries.</li> <li>— <b>summary</b> Summary of ARP table entries.</li> <li>— <b>summary total</b> Number of ARP table entries.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp	show ip bgp	<p><b>Command Syntax</b></p> <pre>show ip bgp [FILTER] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>FILTER</b> routing table entries that the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays all routing table entries. Tabular format.</li> <li>— <b>detail</b> displays all routing table entries. Data block format.</li> <li>— <i>ipv4_addr</i> IPv4 host address. Data block format.</li> <li>— <i>ipv4_subnet</i> IPv4 subnet address. (CIDR notation). Data block format.</li> <li>— <i>ipv4_subnet detail</i> IPv4 subnet address. (CIDR notation). Data block format.</li> <li>— <i>ipv4_subnet longer-prefixes</i> IPv4 subnet address. (CIDR notation). Tabular format.</li> <li>— <i>ipv4_subnet longer-prefixes detail</i> IPv4 subnet address. (CIDR notation). Data block format.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp community	show ip bgp community	<p><b>Command Syntax</b></p> <pre>show ip bgp community [COMM_1 ... COMM_n] [MATCH_TYPE] [DATA_OPTION] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>COMM_x</b> community number or name, as specified in the route map that sets the community list number. <ul style="list-style-type: none"> <li>— <i>aa:nn</i> AS and network number, separated by colon. Each value ranges from 1 to 4294967295.</li> <li>— <i>comm_num</i> community number. Values range from 1 to 4294967040.</li> <li>— <b>internet</b> advertises route to Internet community.</li> <li>— <b>local-as</b> advertises route only to local peers.</li> <li>— <b>no-advertise</b> does not advertise the route to any peer.</li> <li>— <b>no-export</b> advertises route only within BGP AS boundary.</li> </ul> </li> <li>• <b>MATCH_TYPE</b> Routes are filtered based on their communities. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routes must match at least one community in the list</li> <li>— <b>exact</b> route must match all communities and include no other communities.</li> </ul> </li> <li>• <b>DATA_OPTION</b> Type of information the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays table of the routing entry line items.</li> <li>— <b>detail</b> Displays data block for each routing table entry.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp neighbors	show ip bgp neighbors (route type)	<p><b>Command Syntax</b></p> <pre>show ip bgp neighbors neighbor_addr HOPDIRECT [FILTER] [VRF_INSTANCE] show ip bgp neighbors neighbor_addr [ROUTE_TYPE] HOPDIRECT show ip bgp neighbors neighbor_addr [ROUTE_TYPE] HOPDIRECT detail</pre> <p><b>Related Command</b></p> <pre>show ip bgp neighbors show ip bgp neighbors (route-type) community</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>neighbor_addr</i> location of the neighbor.</li> <li>• <i>ROUTE_TYPE</i> filters route on route type. Options include: <ul style="list-style-type: none"> <li>— <b>ipv4 unicast</b> displays IPv4 unicast routes.</li> <li>— <b>ipv6 unicast</b> displays IPv6 unicast routes.</li> </ul> </li> <li>• <i>HOPDIRECT</i> filters route on the basis of direction from neighbor. Options include: <ul style="list-style-type: none"> <li>— <b>advertised-routes</b> displays routes advertised to the specified neighbor.</li> <li>— <b>received-routes</b> displays routes received from the specified neighbor (accepted and rejected).</li> <li>— <b>routes</b> displays routes received and accepted from specified neighbor.</li> </ul> </li> <li>• <i>FILTER</i> routing table entries that the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays all routing table entries. Tabular format.</li> <li>— <b>detail</b> displays all routing table entries. Data block format.</li> <li>— <i>ipv4_addr</i> host IPv4 address. Data block format.</li> <li>— <i>ipv4_subnet</i> subnet address. (CIDR notation). Data block format.</li> <li>— <i>ipv4_subnet</i> <b>longer-prefixes</b> subnet address. (CIDR notation). Tabular format.</li> </ul> </li> <li>• <i>VRF_INSTANCE</i> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp neighbors	show ip bgp neighbors	<p><b>Command Syntax</b></p> <pre>show ip bgp neighbors [NEIGHBOR_ADDR] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ADDR</b> location of the neighbors. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays information for all IPv4 BGP neighbors.</li> <li>— <i>ipv4_addr</i> command displays information for specified neighbor.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	Yes



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp paths	show ip bgp paths	<p><b>Command Syntax</b></p> <pre>show ip bgp paths [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies VRF instances.</li> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• <b>Refcount:</b> Number of routes using a listed path.</li> <li>• <b>Metric:</b> The path's Multi Exit Discriminator (MED).</li> <li>• <b>Path:</b> The route's AS path and its origin code.</li> </ul> <p>The MED (the path's external metric) provides information to external neighbors about the preferred path into an AS that has multiple entry points. Lower MED values are preferred.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp peer-group	show ip bgp peer-group	<p><b>Command Syntax</b></p> <pre>show ip bgp peer-group [GROUP] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>GROUP</b> peer group for which command displays information. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays information for all peer groups.</li> <li>— <i>group_name</i> name of peer group for which command displays information.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	Yes
show ip bgp regexp	show ip bgp regexp	<p><b>Command Syntax</b></p> <pre>show ip bgp regexp as_paths [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>as_paths</b> list of AS paths, formatted as a regular expression. Regular expressions are pattern matching strings that are composed of text characters and operators.</li> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance of the BGP routing table to be displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip bgp summary	show ip bgp summary	<p><b>Command Syntax</b></p> <pre>show ip bgp summary [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>VRF_INSTANCE</b> specifies VRF instances.</li> <li><b>&lt;no parameter&gt;</b> displays routing table for context-active VRE.</li> <li><b>vrf vrf_name</b> displays routing table for the specified VRE.</li> <li><b>vrf all</b> displays routing table for all VRFs.</li> <li><b>vrf default</b> displays routing table for default VRE.</li> </ul> <p><b>Display Values</b></p> <p><b>Header Row</b></p> <ul style="list-style-type: none"> <li><b>BGP router identifier:</b> The router identifier – loopback address or highest IP address.</li> <li><b>Local AS Number:</b> AS number assigned to switch</li> </ul> <p><b>Neighbor Table Columns</b></p> <ul style="list-style-type: none"> <li><b>(First) Neighbor:</b> Neighbor's IP address.</li> <li><b>(Second) V:</b> BGP version number.</li> <li><b>(Third) AS:</b> Neighbor's AS number.</li> <li><b>(Fourth) MsgRcvd:</b> Messages received from the neighbor.</li> <li><b>(Fifth) MsgSent:</b> Messages sent to neighbor.</li> <li><b>(Sixth) InQ:</b> Messages queued from neighbor.</li> <li><b>(Seventh) OutQ:</b> Messages queued to send neighbor.</li> <li><b>(Eighth) Up/Down:</b> Period the BGP session has been Established, or its current status.</li> <li><b>(Ninth) State:</b> State of the BGP session and the number of routes received from a neighbor.</li> </ul> <p>After the maximum number of routes are received, the ninth field displays <b>PfxRcd</b>, and the connection becomes Idle. Maximum number of routes is set using the <b>maximum paths (BGP)</b> command.</p>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip community-list	show ip community-list	<b>Command Syntax</b> <code>show ip community-list [COMMUNITY_LIST]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>COMMUNITY_LIST</i> community list for which command displays information.</li> <li>— &lt;no parameter&gt; command displays information for all community lists.</li> <li>— <i>listname</i> name of the community list (text string).</li> </ul>	Yes
show ip dhcp snooping	show ip dhcp snooping	<b>Command Syntax</b> <code>show ip dhcp snooping</code>	Yes
show ip extcommunity-list	show ip extcommunity-list	<b>Command Syntax</b> <code>show ip extcommunity-list [COMMUNITY_LIST]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>COMMUNITY_LIST</i> extended community list for which command displays information.</li> <li>— &lt;no parameter&gt; command displays information for all extended community lists.</li> <li>— <i>listname</i> name of the extended community list (text string).</li> </ul>	Yes
show ip helper-address	show ip helper-address	<b>Command Syntax</b> <code>show ip helper-address</code>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip igmp groups	show ip igmp groups	<p><b>Command Syntax</b></p> <pre>show ip igmp groups GROUP_LIST [DATA]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>GROUP_LIST</b> list of groups for which the command displays information. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all multicast groups.</li> <li>— <i>group_addr</i> single multicast group address (dotted decimal notation).</li> <li>— <b>interface ethernet</b> <i>e_num</i> all multicast groups on specified Ethernet interface.</li> <li>— <b>interface loopback</b> <i>l_num</i> all multicast groups on specified Loopback interface.</li> <li>— <b>interface management</b> <i>m_num</i> all multicast groups on specified Management interface.</li> <li>— <b>interface port-channel</b> <i>p_num</i> all multicast groups on specified Port-Channel Interface.</li> <li>— <b>interface vlan</b> <i>v_num</i> all multicast groups on specified VLAN interface.</li> <li>— <b>interface vxlan</b> <i>vx_num</i> all multicast groups on specified VXLAN interface.</li> </ul> </li> <li>• <b>DATA</b> specifies the type of information displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; provides uptime, expiration, and address of reporter.</li> <li>— <b>detail</b> also include group mode and group source list.</li> </ul> </li> </ul>	Yes
show ip igmp interface	show ip igmp interface	<p><b>Command Syntax</b></p> <pre>show ip igmp interface [INT_NAME]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INT_NAME</b> Interface type and number. Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip igmp snooping	show ip igmp snooping	<p><b>Command Syntax</b></p> <pre>show ip igmp snooping [VLAN_ID]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>VLAN_ID</b> specifies VLANs for which command displays information. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; displays information for all VLANs.</li> <li><b>vlan v_num</b> displays information for specified VLAN.</li> </ul> </li> </ul>	Yes
show ip igmp snooping groups	show ip igmp snooping groups	<p><b>Command Syntax</b></p> <pre>show ip igmp snooping groups [VLAN_ID] [PORT_INT] [GROUPS] [DATA]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>VLAN_ID</b> specifies VLAN for which command displays information. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; displays information for all VLANs.</li> <li><b>vlan v_num</b> displays information for VLAN v_num (1 to 4094).</li> </ul> </li> <li><b>PORT_INT</b> specifies physical ports for which command displays information. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; displays information for all physical ports.</li> <li><b>interface ethernet e_range</b>, where e_range is the number, range, or list of Ethernet ports.</li> <li><b>interface port-channel p_range</b>, where p_range is the number, range, or list of channel ports.</li> </ul> </li> <li><b>GROUPS</b> specifies the multicast groups. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; all multicast groups on all specified ports.</li> <li><b>mgroup_address</b> multicast group specified by IPv4 address (dotted decimal notation).</li> <li><b>dynamic</b> multicast groups learned through IGMP.</li> <li><b>user</b> multicast groups manually added.</li> </ul> </li> <li><b>DATA</b> specifies the type of information displayed. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; VLAN number and port-list for each group.</li> <li><b>detail</b> port-specific information for each group, including transmission times and expiration.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip igmp snooping mrouter	show ip igmp snooping mrouter	<p><b>Command Syntax</b></p> <pre>show ip igmp snooping mrouter [VLAN_ID] [DATA]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VLAN_ID</b> specifies VLAN for which command displays information. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all VLANs.</li> <li>— <b>vlan v_num</b> specified VLAN.</li> </ul> </li> <li>• <b>DATA</b> specifies the type of information displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays VLAN number and port-list for each group.</li> <li>— <b>detail</b> displays port-specific data for each group; includes transmission times and expiration.</li> </ul> </li> </ul>	Yes
show ip igmp snooping querier	show ip igmp snooping querier	<p><b>Command Syntax</b></p> <pre>show ip igmp snooping querier [STATUS] [VLAN_ID] [DATA]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>STATUS</b> specifies the type of information displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; querier IP address, port, and IGMP version.</li> <li>— <b>status</b> querier configuration parameters.</li> </ul> </li> <li>• <b>VLAN_ID</b> specifies VLANs for which command displays information. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all VLANs.</li> <li>— <b>vlan v_num</b> specified VLAN.</li> </ul> </li> <li>• <b>DATA</b> specifies the type of information displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays VLAN number and port-list for each group.</li> <li>— <b>detail</b> displays port-specific data for each group; includes transmission times and expiration.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip interface	show ip interface	<p><b>Command Syntax</b></p> <pre>show ip interface [INTERFACE_NAME] [VRF_INST]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE_NAME</b> interfaces for which command displays status. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routed interfaces.</li> <li>— <i>ipv4_addr</i> Neighbor IPv4 address.</li> <li>— <b>ethernet</b> <i>e_range</i> Routed Ethernet interfaces specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Routed loopback interfaces specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Routed management interfaces specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Routed port channel Interfaces specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interfaces specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interfaces specified by <i>vx_range</i>.</li> </ul> </li> <li>• <b>VRF_INST</b> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <b>vrf</b> <i>vrf_name</i> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip interface brief	show ip interface brief	<p><b>Command Syntax</b></p> <pre>show ip interface [<i>INTERFACE_NAME</i>] [<i>VRF_INST</i>] brief</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE_NAME</i> interfaces for which command displays status. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routed interfaces.</li> <li>— <i>ipv4_addr</i> Neighbor IPv4 address.</li> <li>— <b>ethernet</b> <i>e_range</i> Routed Ethernet interfaces specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Routed loopback interfaces specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Routed management interfaces specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Routed port channel Interfaces specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interfaces specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interface range specified by <i>vx_range</i>.</li> </ul> </li> <li>• <i>VRF_INST</i> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <b>vrf</b> <i>vrf_name</i> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> </ul>	Yes
show ip mfib	show ip mfib	<p><b>Command Syntax</b></p> <pre>show ip mfib [<i>ROUTE</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ROUTE</i> routes displayed, filtered by multicast group and source IP addresses: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all multicast messages of the specified group are fast-switched.</li> <li>— <i>group_addr</i> multicast group IPv4 address.</li> <li>— <i>group_addr source address</i> two IPv4 addresses: multicast group and source addresses.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show ip mroute	show ip mroute	<b>Command Syntax</b> <pre>show ip mroute show ip mroute gp_addr</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>gp_addr</i> group IP address (dotted decimal notation).</li> </ul>	Yes
show ip mroute count	show ip mroute count	<b>Command Syntax</b> <pre>show ip mroute count</pre>	Yes
show ip msdp mesh-group	show ip msdp mesh-group	<b>Command Syntax</b> <pre>show ip msdp mesh-group</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip msdp peer	show ip msdp peer	<p><b>Command Syntax</b></p> <pre>show ip msdp peer [PEER_ADDR] [SA_ACCEPT]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PEER_ADDR</i> Peers for which command displays information. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All peers configured on the switch.</li> <li>— <i>ipv4_addr</i> Address of specified MSDP peer.</li> </ul> </li> <li>• <i>SA_ACCEPT</i> Command displays SAs accepted from the specified peers. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Accepted SAs are not displayed.</li> <li>— <b>accepted-sas</b> Accepted SAs are displayed.</li> </ul> </li> </ul>	Yes
show ip msdp rpf-peer	show ip msdp rpf-peer	<p><b>Command Syntax</b></p> <pre>show ip msdp peer rp_addr</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>rp_addr</i> PIM RP IPv4 address.</li> </ul> <p>(Note Typo in Arista Manual)</p>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip msdp sa-cache	show ip msdp sa-cache	<p><b>Command Syntax</b></p> <pre>show ip msdp sa-cache [ADDRESS_FILTER] [CONTENTS]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>ADDRESS_FILTER</b> IPv4 address used to filter SA messages. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All SA messages.</li> <li>— <i>grp_addr</i> Multicast group address (IPv4 address).</li> <li>— <i>src_addr grp_addr</i> Source and multicast group addresses (two IPv4 addresses). <i>grp_addr</i> must be a valid multicast address.</li> </ul> </li> <li>• <b>CONTENTS</b> type of SAs that the command displays. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays contents of SA Cache.</li> <li>— <b>rejected</b> Displays rejected SAs in addition to the SA cache contents.</li> </ul> </li> </ul>	Yes
show ip msdp summary	show ip msdp summary	<p><b>Command Syntax</b></p> <pre>show ip msdp summary</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip nat translations	show ip nat translations	<p><b>Command Syntax</b></p> <pre>show ip nat translations [INTF] [ADDR] [TYPE] [DIR] [H_STATE] [K_STATE] [V_STATE]</pre> <p>Command position of <i>INTF</i>, <i>ADDR</i>, <i>TYPE</i>, and <i>DIR</i> parameters are interchangeable.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTF</i> Filters NAT statements by interface. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; includes all statement on all interfaces.</li> <li>— <b>interface ethernet</b> <i>e_num</i> Statements on specified Ethernet interface.</li> <li>— <b>interface loopback</b> <i>l_num</i> Statements on specified Loopback interface.</li> <li>— <b>interface management</b> <i>m_num</i> Statements on specified Management interface.</li> <li>— <b>interface port-channel</b> <i>p_num</i> Statements on specified Port-Channel Interface.</li> <li>— <b>interface vlan</b> <i>v_num</i> Statements on specified VLAN interface.</li> </ul> </li> <li>• <i>ADDR</i> Filters NAT statements by status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; includes all NAT statements, including those not installed in hardware.</li> <li>— <b>address ipv4_addr</b> includes only NAT statements installed in hardware.</li> </ul> </li> <li>• <i>TYPE</i> Filters NAT statements by status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; includes all NAT statements, including those not installed in hardware.</li> <li>— <b>static</b> includes only NAT statements installed in hardware.</li> <li>— <b>dynamic</b> includes only NAT statements installed in hardware.</li> </ul> </li> <li>• <i>DIR</i> Filters NAT statements by status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; includes all NAT statements, including those not installed in hardware.</li> <li>— <b>source</b> includes only NAT statements installed in hardware.</li> <li>— <b>destination</b> includes only NAT statements installed in hardware.</li> </ul> </li> <li>• <i>H_STATE</i> Filters NAT statements by status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; includes all NAT statements, including those not installed in hardware.</li> <li>— <b>hardware</b> includes only NAT statements installed in hardware.</li> </ul> </li> <li>• <i>K_STATE</i> Filters NAT statements by status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; includes all NAT statements, including those not installed in hardware.</li> <li>— <b>kernel</b> includes only NAT statements installed in hardware.</li> </ul> </li> <li>• <i>V_STATE</i> Specifies information that the command returns. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays table of NAT translations.</li> <li>— <b>detail</b> displays table of NAT translations.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip ospf	show ip ospf	<p><b>Command Syntax</b></p> <pre>show ip ospf [PROCESS_ID] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PROCESS_ID</i> OSPFv2 process ID. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— &lt;1 to 65535&gt;</li> </ul> </li> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes
show ip ospf border-routers	show ip ospf border-routers	<p><b>Command Syntax</b></p> <pre>show ip ospf border-routers [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip ospf database database-summary	show ip ospf database database-summary	<p><b>Command Syntax</b></p> <pre>show ip ospf [AREA] database database-summary [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— vrf vrf_name</li> </ul> </li> <li>• <b>AREA</b> areas for which command displays data. Specifying an individual area requires entering the process ID where the area is located. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— process_id</li> <li>— process_id area_id <ul style="list-style-type: none"> <li>— process_id input range: &lt;1 to 65535&gt;</li> <li>— area_id input range: &lt;0 to 4294967295&gt; or &lt;0.0.0.0 to 255.255.255.255&gt;</li> </ul> </li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip ospf interface	show ip ospf interface	<p><b>Command Syntax</b></p> <pre>show ip ospf [PROCESS_ID] interface [INTERFACE_NAME] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>PROCESS_ID</b> OSPFv2 process ID. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— &lt;1 to 65535&gt;</li> </ul> </li> <li>• <b>INTERFACE_NAME</b> Interface type and number. Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>ethernet</b> <i>e_num</i></li> <li>— <b>loopback</b> <i>l_num</i></li> <li>— <b>port-channel</b> <i>p_num</i></li> <li>— <b>vlan</b> <i>v_num</i></li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; .</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip ospf neighbor	show ip ospf neighbor	<p><b>Command Syntax</b></p> <pre>show ip ospf [<i>PROCESS_ID</i>] neighbor [<i>INTERFACE_NAME</i>] [<i>NEIGHBOR</i>] [<i>DATA</i>] [<i>VRF_INSTANCE</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b><i>PROCESS_ID</i></b> OSPFv2 process ID. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— &lt;1 to 65535&gt;</li> </ul> </li> <li>• <b><i>INTERFACE_NAME</i></b> Interface type and number. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>ethernet</b> <i>e_num</i></li> <li>— <b>loopback</b> <i>l_num</i></li> <li>— <b>port-channel</b> <i>p_num</i></li> <li>— <b>vlan</b> <i>v_num</i></li> </ul> </li> <li>• <b><i>NEIGHBOR</i></b> OSPFv2 neighbor. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>ipv4_addr</i></li> </ul> </li> <li>• <b><i>DATA</i></b> Type of information the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>detail</b></li> </ul> </li> <li>• <b><i>VRF_INSTANCE</i></b> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip ospf request-list	show ip ospf request-list	<b>Command Syntax</b> <code>show ip ospf request-list [VRF_INSTANCE]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes
show ip ospf retransmission-list	show ip ospf retransmission-list	<b>Command Syntax</b> <code>show ip ospf retransmission-list [VRF_INSTANCE]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip pim interface	show ip pim interface	<p><b>Command Syntax</b></p> <pre>show ip pim interface [INT_NAME] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INT_NAME</b> Interface type and number. Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> specifies level of information detail provided by the command. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; table of basic configuration information.</li> <li>— <b>detail</b> list of complete configuration information.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip pim neighbor	show ip pim neighbor	<p><b>Command Syntax</b></p> <pre>show ip pim neighbor [INT_NAME] [BFD_DATA]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INT_NAME</b> Interface type and number. Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <b>BFD_DATA</b> Specifies inclusion of BFD data. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; BFD data is not displayed.</li> <li>— <b>bfd</b> BFD data is displayed.</li> </ul> </li> </ul>	Yes
show ip pim rp	show ip pim rp	<p><b>Command Syntax</b></p> <pre>show ip pim rp</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip pim rp-hash	show ip pim rp-hash	<p><b>Command Syntax</b></p> <pre>show ip pim rp-hash ipv4_addr [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ipv4_addr</i> multicast group IPv4 address.</li> <li>• <i>INFO_LEVEL</i> specifies level of information detail provided by the command. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; RP-hash map and list of candidate RPs.</li> <li>— <b>detail</b> includes data about the selected RP.</li> </ul> </li> </ul>	No
show ip prefix-list	show ip prefix-list	<p><b>Command Syntax</b></p> <pre>show ip prefix-list [DISPLAY_ITEMS]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>DISPLAY_ITEMS</i> specifies the name of prefix lists for which rules are displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all IPv4 prefix list rules are displayed.</li> <li>— <i>list_name</i> specifies the IPv4 prefix list for which rules are displayed.</li> </ul> </li> </ul>	Yes
show ip rip database	show ip rip database	<p><b>Command Syntax</b></p> <pre>show ip rip database [FILTER]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>FILTER</i> routing table entries that the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays all routing table entries</li> <li>— <b>active</b> displays all active routing table entries.</li> <li>— <i>net_addr</i> subnet address (CIDR or address-mask). Command displays entries in this subnet.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show ip rip neighbors	show ip rip neighbors	<b>Command Syntax</b> show ip rip neighbors	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip route	show ip route	<p><b>Command Syntax</b></p> <pre>show ip route [VRF_INSTANCE] [ADDRESS] [ROUTE_TYPE] [INFO_LEVEL] [PREFIX]</pre> <p><b>Parameters</b></p> <p>The <i>VRF_INSTANCE</i> and <i>ADDRESS</i> parameters are always listed first and second, respectively. All other parameters can be placed in any order.</p> <ul style="list-style-type: none"> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <b>vrf</b> <i>vrf_name</i> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> <li>• <i>ADDRESS</i> Filters routes by IPv4 address or subnet. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routing table entries.</li> <li>— <i>ipv4_addr</i> routing table entries matching specified address.</li> <li>— <i>ipv4_subnet</i> routing table entries matching specified subnet (CIDR or address-mask).</li> </ul> </li> <li>• <i>ROUTE_TYPE</i> Filters routes by specified protocol or origin. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routing table entries.</li> <li>— <b>aggregate</b> entries for BGP aggregate routes.</li> <li>— <b>bgp</b> entries added through BGP protocol.</li> <li>— <b>connected</b> entries for routes to networks directly connected to the switch.</li> <li>— <b>isis</b> entries added through ISIS protocol.</li> <li>— <b>kernel</b> entries appearing in Linux kernel but not added by EOS software.</li> <li>— <b>ospf</b> entries added through OSPF protocol.</li> <li>— <b>rip</b> entries added through RIP protocol.</li> <li>— <b>static</b> entries added through CLI commands.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> Filters entries by next hop connection. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; filters routes whose next hops are directly connected.</li> <li>— <b>detail</b> displays all routes.</li> </ul> </li> <li>• <i>PREFIX</i> filters routes by prefix. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; specific route entry that matches the <i>ADDRESS</i> parameter.</li> <li>— <b>longer-prefixes</b> all subnet route entries in range specified by <i>ADDRESS</i> parameter.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ip route summary	show ip route summary	<p><b>Command Syntax</b>  <code>show ip route [VRF_INSTANCE] summary</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <b>vrf vrf_name</b> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> </ul>	Yes
show ip route tag	show ip route tag	<p><b>Command Syntax</b>  <code>show ip route [VRF_INSTANCE] ADDRESS tag</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance for which data is displayed. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; context-active VRF.</li> <li>— <b>vrf vrf_name</b> specifies name of VRF instance. System default VRF is specified by <b>default</b>.</li> </ul> </li> <li>• <b>ADDRESS</b> displays routes of specified IPv4 address or subnet. <ul style="list-style-type: none"> <li>— <b>ipv4_addr</b> routing table entries matching specified IPv4 address.</li> <li>— <b>ipv4_subnet</b> routing table entries matching specified IPv4 subnet (CIDR or address-mask).</li> </ul> </li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 access-list	show ipv6 access-list	<p><b>Command Syntax</b></p> <pre>show ipv6 access-list [LIST] [SCOPE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>LIST</b> name of lists to be displayed. Selection options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all IPv6 ACLs are displayed.</li> <li>— <i>list_name</i> specified IPv6 ACL is displayed.</li> </ul> </li> <li>• <b>SCOPE</b> information displayed. Selection options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all rules in the specified lists are displayed.</li> <li>— <b>summary</b> the number of rules in the specified lists are displayed.</li> </ul> </li> </ul>	Yes
show ipv6 bgp	show ipv6 bgp	<p><b>Command Syntax</b></p> <pre>show ipv6 bgp [FILTER] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>FILTER</b> routing table entries that the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays all routing table entries. Tabular format.</li> <li>— <b>detail</b> displays all routing table entries. Data block format.</li> <li>— <i>ipv6_addr</i> IPv6 host address. Data block format.</li> <li>— <i>ipv6_prefix</i> IPv6 prefix address. (CIDR notation). Data block format.</li> <li>— <i>ipv6_prefix detail</i> IPv6 prefix address. (CIDR notation). Data block format.</li> <li>— <i>ipv6_prefix longer-prefixes</i> IPv6 prefix address. (CIDR notation). Tabular format.</li> <li>— <i>ipv6_prefix longer-prefixes detail</i> IPv6 prefix address. (CIDR notation). Data block format.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 bgp community	show ipv6 bgp community	<p><b>Command Syntax</b></p> <pre>show ipv6 bgp community [COMM_1 ... COMM_n] [MATCH_TYPE] [INFO] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>COMM_x</b> community number or name, as specified in the route map that sets the community list number. <ul style="list-style-type: none"> <li>— <i>aa:nn</i> AS and network number, separated by colon. Each value ranges from 1 to 4294967295.</li> <li>— <i>comm_num</i> community number. Values range from 1 to 4294967040.</li> <li>— <b>internet</b> advertises route to Internet community.</li> <li>— <b>local-as</b> advertises route only to local peers.</li> <li>— <b>no-advertise</b> does not advertise route to any peer.</li> <li>— <b>no-export</b> advertises route only within BGP AS boundary.</li> </ul> </li> <li>• <b>MATCH_TYPE</b> Routes are filtered based on their communities. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; routes must match at least one community in the list</li> <li>— <b>exact</b> route must match all communities and include no other communities.</li> </ul> </li> <li>• <b>INFO</b> Type of information the command displays. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays table of the routing entry line items.</li> <li>— <b>detail</b> Displays data block for each routing table entry.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 bgp neighbors	show ipv6 bgp neighbors	<p><b>Command Syntax</b></p> <pre>show ipv6 bgp neighbor [NEIGHBOR_ADDR] [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>NEIGHBOR_ADDR</b> location of the neighbors. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays information for all neighbors.</li> <li>— <i>ipv6_addr</i> command displays information for specified neighbor.</li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRE.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRE.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 bgp summary	show ipv6 bgp summary	<p><b>Command Syntax</b></p> <pre>show ipv6 bgp summary [VRF_INSTANCE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VRF_INSTANCE</b> specifies VRF instances. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays routing table for context-active VRF.</li> <li>— <b>vrf vrf_name</b> displays routing table for the specified VRF.</li> <li>— <b>vrf all</b> displays routing table for all VRFs.</li> <li>— <b>vrf default</b> displays routing table for default VRF.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <p><b>Header Row</b></p> <ul style="list-style-type: none"> <li>• <b>BGP router identifier:</b> The router identifier: loopback address or highest IP address.</li> <li>• <b>Local AS Number:</b> AS number assigned to switch</li> </ul> <p><b>Neighbor Table Columns</b></p> <ul style="list-style-type: none"> <li>• <b>(First) Neighbor:</b> Neighbor's IP address.</li> <li>• <b>(Second) V:</b> BGP version number.</li> <li>• <b>(Third) AS:</b> Neighbor's AS number.</li> <li>• <b>(Fourth) MsgRcvd:</b> Messages received from the neighbor.</li> <li>• <b>(Fifth) MsgSent:</b> Messages sent to neighbor.</li> <li>• <b>(Sixth) InQ:</b> Messages queued from neighbor.</li> <li>• <b>(Seventh) OutQ:</b> Messages queued to send neighbor.</li> <li>• <b>(Eighth) Up/Down:</b> Period the BGP session has been Established, or its current status.</li> <li>• <b>(Ninth) State:</b> State of the BGP session and the number of routes received from a neighbor.</li> </ul> <p>After the maximum number of routes are received, the ninth field displays <b>PfxRcd</b>, and the connection becomes Idle. Maximum number of routes is set using the <b>maximum paths (BGP)</b> command.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 interface	show ipv6 interface	<p><b>Command Syntax</b></p> <pre>show ipv6 interface [INTERFACE_NAME] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE_NAME</b> interfaces for which command displays status. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routed interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlان</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays data block for each specified interface.</li> <li>— <b>brief</b> command displays table that summarizes IPv6 interface data.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 neighbors	show ipv6 neighbors	<p><b>Command Syntax</b></p> <pre>show ipv6 neighbors [PORT] [SOURCE] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>PORT</b> Filters by interface through which neighbor is accessed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routed interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <b>SOURCE</b> Filters by neighbor IPv6 address. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all IPv6 neighbors.</li> <li>— <i>ipv6_addr</i> IPv6 address of individual neighbor.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays the discovery cache for the specified interfaces.</li> <li>— <b>summary</b> command displays summary information only.</li> </ul> </li> </ul>	Yes
show ipv6 ospf	show ipv6 ospf	<p><b>Command Syntax</b></p> <pre>show ipv6 ospf</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show ipv6 ospf border-routers	show ipv6 ospf border-routers	<b>Command Syntax</b> <code>show ipv6 ospf border-routers</code>	Yes
show ipv6 ospf interface	show ipv6 ospf interface	<b>Command Syntax</b> <code>show ipv6 ospf interface</code>	Yes
show ipv6 ospf neighbor	show ipv6 ospf neighbor	<b>Command Syntax</b> <code>show ipv6 ospf neighbor</code>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 prefix-list	show ipv6 prefix-list	<p><b>Command Syntax</b></p> <pre>show ipv6 prefix-list [DISPLAY_ITEMS]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>DISPLAY_ITEMS</i> specifies the name of prefix lists for which rules are displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all IPv6 prefix lists are displayed.</li> <li>— <i>list_name</i> specifies the IPv6 prefix list for which rules are displayed.</li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 route	show ipv6 route	<p><b>Command Syntax</b></p> <pre>show ipv6 route [ADDRESS] [ROUTE_TYPE] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <p>Address, when present, is always listed first. All other parameters can be placed in any order.</p> <ul style="list-style-type: none"> <li>• <b>ADDRESS</b> filters routes by IPv6 address or prefix. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routing table entries.</li> <li>— <i>ipv6_address</i> routing table entries matching specified IPv6 address.</li> <li>— <i>ipv6_prefix</i> routing table entries matching specified IPv6 prefix (CIDR notation).</li> </ul> </li> <li>• <b>ROUTE_TYPE</b> filters routes by specified protocol or origin. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all routing table entries.</li> <li>— <b>aggregate</b> entries for BGP aggregate routes.</li> <li>— <b>bgp</b> entries added through BGP protocol.</li> <li>— <b>connected</b> entries for routes to networks directly connected to the switch.</li> <li>— <b>kernel</b> entries appearing in Linux kernel but not added by EOS software.</li> <li>— <b>isis</b> entries added through IS-IS protocol.</li> <li>— <b>ospf</b> entries added through OSPF protocol.</li> <li>— <b>static</b> entries added through CLI commands.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> Filters entries by next hop connection. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; filters routes whose next hops are directly connected.</li> <li>— <b>detail</b> displays all routes.</li> </ul> </li> </ul>	Yes
show ipv6 route summary	show ipv6 route summary	<p><b>Command Syntax</b></p> <pre>show ipv6 route summary</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show ipv6 route tag	show ipv6 route tag	<p><b>Command Syntax</b></p> <p><code>show ipv6 route ADDRESS tag</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ADDRESS</i> filters routes by IPv6 address or prefix. <ul style="list-style-type: none"> <li>— <i>ipv6_address</i> routing table entries matching specified address (A:B:C:D:E:F:G:H)</li> <li>— <i>ipv6_prefix</i> routing table entries matching specified IPv6 prefix (A:B:C:D:E:F:G:H/PL).</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show isis database	show isis database	<p><b>Command Syntax</b></p> <pre>show isis database [INSTANCES] [INFO_LEVEL] show isis database [INFO_LEVEL] VRF_INSTANCE</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INSTANCES</b> Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>instance_name</i></li> </ul> </li> <li>• <b>INFO_LEVEL</b> Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>detail</b></li> </ul> </li> <li>• <b>VRF_INSTANCE</b> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• ISIS Instance</li> <li>• LSPID</li> <li>• Seq Num</li> <li>• Cksum</li> <li>• Life</li> <li>• IS</li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show isis interface	show isis interface	<p><b>Command Syntax</b></p> <pre>show isis interface [<i>INSTANCES</i>] [<i>INTERFACE_NAME</i>] [<i>INFO_LEVEL</i>] show isis interface [<i>INTERFACE_NAME</i>] [<i>INFO_LEVEL</i>] <i>VRF_INSTANCE</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INSTANCES</i> Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>instance_name</i></li> </ul> </li> <li>• <i>INTERFACE_NAME</i> Values include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port channel interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li>— <b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>detail</b></li> </ul> </li> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>— ISIS Instance</li> <li>— System ID</li> <li>— Index</li> <li>— MTU</li> <li>— Metric</li> <li>— LAN-ID</li> <li>— DIS</li> <li>— Type</li> <li>— Interface</li> <li>— SNPA</li> <li>— State</li> <li>— Hold time</li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show isis topology	show isis topology	<p><b>Command Syntax</b></p> <pre>show isis topology show isis <i>INSTANCES</i> topology show isis topology <i>VRF_INSTANCE</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INSTANCES</i> Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <i>instance_name</i></li> </ul> </li> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt;</li> <li>— <b>vrf</b> <i>vrf_name</i></li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• System Id</li> <li>• Metric</li> <li>• Next-Hop</li> <li>• Interface</li> <li>• SNPA</li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show lacp counters	show lacp counters	<p><b>Command Syntax</b></p> <pre>show lacp [PORT_LIST] counters [PORT_LEVEL] [INFO_LEVEL]</pre> <p><i>PORT_LEVEL</i> and <i>INFO_LEVEL</i> parameters can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PORT_LIST</i> ports for which port information is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all configured port channels</li> <li>— <i>c_range</i> ports in specified channel list (number, number range, or list of numbers and ranges).</li> <li>— <b>interface</b> ports on all interfaces.</li> <li>— <b>interface ethernet</b> <i>e_num</i> port on Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> port on port channel interface specified by <i>p_num</i>.</li> </ul> </li> <li>• <i>PORT_LEVEL</i> ports displayed, in terms of aggregation status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; only ports bundled by LACP into an aggregate.</li> <li>— <b>all-ports</b> all ports, including LACP candidates that are not bundled.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays packet transmission (TX and RX) statistics.</li> <li>— <b>brief</b> displays packet transmission (TX and RX) statistics.</li> <li>— <b>detailed</b> displays packet transmission (TX and RX) statistics and actor-partner statistics.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show lacp interface	show lacp interface	<p><b>Command Syntax</b></p> <pre>show lacp interface [INTERFACE_PORT] [PORT_LEVEL] [INFO_LEVEL]</pre> <p><i>INTERFACE_PORT</i> is listed first when present. Other parameters can be listed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INTERFACE_PORT</i> interfaces for which information is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all interfaces in channel groups.</li> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> port channel interface specified by <i>p_num</i>.</li> </ul> </li> <li>• <i>PORT_LEVEL</i> ports displayed, in terms of aggregation status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command lists data for ports bundled by LACP into the aggregate.</li> <li>— <b>all-ports</b> command lists data for all ports, including LACP candidates that are not bundled.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays same information as <b>brief</b> option.</li> <li>— <b>brief</b> displays LACP configuration data, including sys-id, actor, priorities, and keys.</li> <li>— <b>detailed</b> includes <b>brief</b> option information plus state machine data.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show lacp neighbor	show lacp neighbor	<p><b>Command Syntax</b></p> <pre>show lacp [PORT_LIST] neighbor [PORT_LEVEL] [INFO_LEVEL]</pre> <p><i>PORT_LEVEL</i> and <i>INFO_LEVEL</i> parameters can be placed in any order.</p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PORT_LIST</i> interface for which port information is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays information for all configured port channels</li> <li>— <i>c_range</i> ports in specified channel list (number, number range, or list of numbers and ranges).</li> <li>— <b>interface</b> ports on all interfaces.</li> <li>— <b>interface ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>interface port-channel</b> <i>p_num</i> port channel interface specified by <i>p_num</i>.</li> </ul> </li> <li>• <i>PORT_LEVEL</i> ports displayed, in terms of aggregation status. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command lists data for ports bundled by LACP into an aggregate.</li> <li>— <b>all-ports</b> command lists data for all ports, including LACP candidates that are not bundled.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays same information as <b>brief</b> option.</li> <li>— <b>brief</b> displays LACP configuration data, including sys-id, actor, priorities, and keys.</li> <li>— <b>detailed</b> includes <b>brief</b> option information plus state machine data.</li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show link state group	show link state group	<p><b>Command Syntax</b></p> <pre>show link state group [DATA_LEVEL] [GROUPS]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>DATA_LEVEL</b> device for which the command provides data. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; information about all groups in group list.</li> <li>— <b>detail</b> detailed information about all groups in group list.</li> </ul> </li> <li>• <b>GROUPS</b> <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all link-state groups.</li> <li>— <i>group_name</i> link-state group name.</li> </ul> </li> </ul>	Yes
show lldp	show lldp	<p><b>Command Syntax</b></p> <pre>show lldp [INTERFACE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE</b> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> </ul> </li> </ul> <p>Valid <i>e_range</i> and <i>m_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show lldp neighbors	show lldp neighbors	<p><b>Command Syntax</b></p> <pre>show lldp neighbors [INTERFACE] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE</b> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> </ul> <p>Valid <i>e_range</i> and <i>m_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p> </li> <li>• <b>INFO_LEVEL</b> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Displays information for all interfaces.</li> <li>— <b>detailed</b> LLDP information for all the adjacent LLDP devices.</li> </ul> </li> </ul>	Yes
show lldp traffic	show lldp traffic	<p><b>Command Syntax</b></p> <pre>show lldp traffic [INTERFACE]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTERFACE</b> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> </ul> <p>Valid <i>e_range</i> and <i>m_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show mac access-list	show mac access-list	<p><b>Command Syntax</b></p> <pre>show mac access-lists [<i>LIST</i>] [<i>SCOPE</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>LIST</i> name of lists to be displayed. Selection options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays all ACLs.</li> <li>— <i>list_name</i> command displays ACL specified by parameter.</li> </ul> </li> <li>• <i>SCOPE</i> information displayed. Selection options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays all rules in specified lists.</li> <li>— <b>summary</b> command displays the number of rules in specified lists.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show mac address-table	show mac address-table	<p><b>Command Syntax</b></p> <pre>show mac address-table [ENTRY_TYPE] [MAC_ADDR] [INTF_1 ... INTF_N] [VLANs]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>ENTRY_TYPE</b> command filters display by entry type. Entry types include mlag-peer, dynamic, static, unicast, multicast entries, and configured. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all table entries.</li> <li>— <b>configured</b> static entries; includes unconfigured VLAN entries.</li> <li>— <b>dynamic</b> entries learned by the switch.</li> <li>— <b>static</b> entries entered by CLI commands and include a configured VLAN.</li> <li>— <b>unicast</b> entries with unicast MAC address.</li> </ul> </li> <li>• <b>MAC_ADDR</b> command uses MAC address to filter displayed entries. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all MAC addresses table entries.</li> <li>— <b>address</b> <i>mac_address</i> displays entries with specified address (dotted hex notation – H.H.H).</li> </ul> </li> <li>• <b>INTF_X</b> command filters display by port list. When parameter lists multiple interfaces, command displays all entries containing at least one listed interface. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all Ethernet and port channel interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interfaces specified by <i>e_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port channel interfaces specified by <i>p_range</i>.</li> </ul> </li> <li>• <b>VLANs</b> command filters display by VLAN. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all VLANs.</li> <li>— <b>vlan</b> <i>v_num</i> VLANs specified by <i>v_num</i>.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show mac address-table aging time	show mac address-table aging time	<b>Command Syntax</b> <code>show mac address-table aging-time</code>	Yes
show mac address-table count	show mac address-table count	<b>Command Syntax</b> <code>show mac address-table count [VLANs]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <b>VLANs</b> The VLANs for which the command displays the entry count. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all configured VLANs.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	Yes
show module	show module	<b>Command Syntax</b> <code>show module [MODULE_NAME]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <b>MODULE_NAME</b> Specifies modules for which data is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; All modules (identical to <b>all</b> option).</li> <li>— <b>fabric</b> <i>fab_num</i> Specified fabric module. Number range varies with switch model.</li> <li>— <b>linecard</b> <i>line_num</i> Linecard module. Number range varies with switch model.</li> <li>— <b>supervisor</b> <i>super_num</i> Supervisor module. Number range varies with switch model.</li> <li>— <i>mod_num</i> Supervisor (1 to 2) or linecard (3 to 18) module.</li> <li>— <b>all</b> All modules.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show monitor session	show monitor session	<b>Command Syntax</b> <code>show monitor session <i>SESSION_NAME</i></code> <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>SESSION_NAME</i> Port mirroring session identifier. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays configuration for all sessions.</li> <li>— <i>label</i> command displays configuration of the specified session.</li> </ul> </li> </ul>	No
show ntp associations	show ntp associations	<b>Command Syntax</b> <code>show ntp associations</code>	Yes
show ntp status	show ntp status	<b>Command Syntax</b> <code>show ntp status</code>	Yes
show policy-map control-plane	show policy-map type control-plane	<b>Command Syntax</b> <code>show policy-map type control-plane copp-system-policy [<i>CMAP_NAME</i>]</code> <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>CMAP_NAME</i> Name of class map displayed by the command. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Command displays all class maps in specified policy map.</li> <li>— <i>class_name</i> Command displays specified class map.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show policy-map interface	show policy-map interface type qos	<b>Command Syntax</b> <code>show policy-map interface <i>INTERFACE_NAME</i> [type qos] [<i>TRAFFIC</i>]</code> <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>INTERFACE_NAME</i> Filters policy map list by interfaces. Options include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_range</i> Ethernet ports for which command displays policy maps.</li> <li>— <b>port-channel</b> <i>p_range</i> Port channels for which command displays policy maps.</li> </ul> </li> <li>• <i>TRAFFIC</i> Filters policy maps by the traffic they manage. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Policy maps that manage interface's ingress traffic (same as <b>input</b> option).</li> <li>— <b>input</b> Policy maps that manage interface's ingress traffic.</li> </ul> </li> </ul>	No
show policy-map interface control-plane	show policy-map interface control-plane	<b>Command Syntax</b> <code>show policy-map interface control-plane copp-system-policy</code>	No
show port-channel summary	show port-channel summary	<b>Command Syntax</b> <code>show port-channel summary</code>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show port-channel traffic	show port-channel traffic	<b>Command Syntax</b> <code>show port-channel [MEMBERS] traffic</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <b>MEMBERS</b> list of port channels for which information is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all configured port channels.</li> <li>— <i>c_range</i> ports in specified channel list (number, number range, or list of numbers and ranges).</li> </ul> </li> </ul>	Yes
show port-security	show port-security	<b>Command Syntax</b> <code>show port-security</code>	Yes
show port-security address	show port-security address	<b>Command Syntax</b> <code>show port-security address</code>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show port-security interface	show port-security interface	<p><b>Command Syntax</b></p> <pre>show port-security interface [INT_NAME]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INT_NAME</b> Interface type and numbers. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Display information for all interfaces.</li> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interface range specified by <i>e_range</i>.</li> <li>— <b>loopback</b> <i>l_range</i> Loopback interface specified by <i>l_range</i>.</li> <li>— <b>management</b> <i>m_range</i> Management interface range specified by <i>m_range</i>.</li> <li>— <b>port-channel</b> <i>p_range</i> Port-Channel Interface range specified by <i>p_range</i>.</li> <li>— <b>vlan</b> <i>v_range</i> VLAN interface range specified by <i>v_range</i>.</li> <li>— <b>vxlan</b> <i>vx_range</i> VXLAN interface range specified by <i>vx_range</i>.</li> </ul> </li> </ul> <p>Valid <i>range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes
show privilege	show privilege	<p><b>Command Syntax</b></p> <pre>show privilege</pre>	Yes
show ptp clock	show ptp clock	<p><b>Command Syntax</b></p> <pre>show ptp clock</pre>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show ptp parent	show ptp parent	<b>Command Syntax</b> show ptp parent	Yes
show ptp time-property	show ptp time-property	<b>Command Syntax</b> show ptp time-property	Yes
show radius	show radius	<b>Command Syntax</b> show radius	Yes
show redundancy states	show redundancy states	<b>Command Syntax</b> show redundancy states	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show reload	show reload	<b>Command Syntax</b> <code>show reload</code>	Yes
show role	show role	<b>Command Syntax</b> <code>show role [ROLE_LIST]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>ROLE_LIST</i> Roles that the command displays. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; Command displays all roles.</li> <li>— <i>role_name</i> Name of role displayed by command.</li> </ul> </li> </ul>	Yes
show route-map	show route-map	<b>Command Syntax</b> <code>show route-map [MAP]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>MAP</i> name of maps to be displayed. Selection options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays all ACLs.</li> <li>— <i>map_name</i> route map that the command displays.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show snmp	show snmp	<b>Command Syntax</b> show snmp	Yes
show snmp chassis	show snmp chassis	<b>Command Syntax</b> show snmp chassis	Yes
show snmp community	show snmp community	<b>Command Syntax</b> show snmp community	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show snmp contact	show snmp contact	<b>Command Syntax</b> show snmp contact	Yes
show snmp engineID	show snmp engineID	<b>Command Syntax</b> show snmp engineID	Yes
show snmp group	show snmp group	<b>Command Syntax</b> show snmp group [GROUP_LIST]  <b>Parameters</b> <ul style="list-style-type: none"> <li>GROUP_LIST the name of the group. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; displays information about all groups.</li> <li>group_name the name of the group.</li> </ul> </li> </ul> <b>Field Descriptions</b> <ul style="list-style-type: none"> <li>groupname name of the SNMP group.</li> <li>security model security model used by the group: v1, v2c, or v3.</li> <li>readview string identifying the group's read view. Refer to <a href="#">show snmp view</a>.</li> <li>writeview string identifying the group's write view.</li> <li>notifyview string identifying the group's notify view.</li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show snmp host	show snmp host	<p><b>Command Syntax</b></p> <pre>show snmp host</pre> <p><b>Field Descriptions</b></p> <ul style="list-style-type: none"> <li>• <b>Notification host</b> IP address of the host.</li> <li>• <b>udp-port</b> port number.</li> <li>• <b>type</b> notification type.</li> <li>• <b>user</b> access type of the user.</li> <li>• <b>security model</b> SNMP version used.</li> <li>• <b>traps</b> details of the notification.</li> </ul>	Yes
show snmp location	show snmp location	<p><b>Command Syntax</b></p> <pre>show snmp location</pre>	Yes
show snmp mib	show snmp mib	<p><b>Command Syntax</b></p> <pre>show snmp mib OBJECTS</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>OBJECTS</b> object identifiers for which the command returns data. Options include: <ul style="list-style-type: none"> <li>— <b>get oid_1</b> [oid_2 ... oid_x] values associated with each listed OID.</li> <li>— <b>get-next oid_1</b> [oid_2 ... oid_x] values associated with subsequent OIDs relative to listed OIDs.</li> <li>— <b>table oid</b> table associated with specified OID.</li> <li>— <b>translate oid</b> object name associated with specified OID.</li> <li>— <b>walk oid</b> objects below the specified subtree.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show snmp source-interface	show snmp source-interface	<b>Command Syntax</b> <code>show snmp source-interface</code>	Yes
show snmp trap	show snmp trap	<b>Command Syntax</b> <code>show snmp trap</code>	Yes
show snmp user	show snmp user	<b>Command Syntax</b> <code>show snmp user [USER_LIST]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>USER_LIST</i> the name of the group. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays information about all users.</li> <li>— <i>user_name</i> specifies name of displayed user.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show snmp view	show snmp view	<p><b>Command Syntax</b></p> <pre>show snmp view [VIEW_LIST]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>VIEW_LIST</i> the name of the view.</li> <li>— &lt;no parameter&gt; displays information about all views.</li> <li>— <i>view_name</i> the name of the view.</li> </ul> <p><b>Field Descriptions</b></p> <ul style="list-style-type: none"> <li>• <i>First column</i> view name.</li> <li>• <i>Second column</i> name of the MIB object or family.</li> <li>• <i>Third column</i> inclusion level of the specified family within the view.</li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show spanning-tree	show spanning-tree	<p><b>Command Syntax</b></p> <pre>show spanning-tree [VLAN_ID] [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>VLAN_ID</b> specifies the VLANs for which the command displays information. Formats include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; displays information for all VLANs.</li> <li><b>vlan</b> displays data for instances containing the first VLAN listed in <i>running-config</i>.</li> <li><b>vlan v_range</b> displays data for instances containing a VLAN in the specified range.</li> </ul> </li> <li><b>INFO_LEVEL</b> specifies level of information detail provided by the command. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; displays table for each instance listing status, configuration, and history.</li> <li><b>detail</b> displays data blocks for each instance and all ports on each instance.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li><b>Root ID</b> Displays information on the ROOT ID (elected spanning tree root bridge ID): <ul style="list-style-type: none"> <li><b>Priority</b>: Priority of the bridge. Default value is 32768.</li> <li><b>Address</b>: MAC address of the bridge.</li> </ul> </li> <li><b>Bridge ID</b> bridge status and configuration information for the locally configured bridge: <ul style="list-style-type: none"> <li><b>Priority</b> Priority of the bridge. The default priority is 32768.</li> <li><b>Address</b> MAC address of the bridge.</li> <li><b>Hello Time</b> Interval (seconds) between bridge protocol data units (BPDUs) transmissions.</li> <li><b>Max Age</b> Maximum time that a BPDU is saved.</li> <li><b>Forward Delay</b> Time (in seconds) that is spent in the learning state.</li> </ul> </li> <li><b>Interface</b> STP configuration participants. Link-down interfaces are not shown.</li> <li><b>Role</b> Role of the port as one of the following: <ul style="list-style-type: none"> <li><b>Root</b> The best port for a bridge to a root bridge used for forwarding.</li> <li><b>Designated</b> A forwarding port for a LAN segment.</li> <li><b>Alternate</b> A port acting as an alternate path to the root bridge.</li> <li><b>Backup</b> A port acting as a redundant path to another bridge port.</li> </ul> </li> <li><b>State</b> Displays the interface STP state as one of the following: <ul style="list-style-type: none"> <li><i>Learning</i></li> <li><i>Discarding</i></li> <li><i>Forwarding</i></li> </ul> </li> <li><b>Cost</b> STP port path cost value.</li> <li><b>Prio. Nbr.</b> STP port priority. Values range from 0 to 240. Default is 128.</li> <li><b>Type</b> The link type of the interface (automatically derived from the duplex mode of an interface): <ul style="list-style-type: none"> <li><i>P2p Peer (STP)</i> Point to point full duplex port running standard STP.</li> <li><i>shr Peer (STP)</i> Shared half duplex port running standard STP.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show spanning-tree blockedports	show spanning-tree blockedports	<b>Command Syntax</b> <code>show spanning-tree blockedports</code>	Yes
show spanning-tree bridge	show spanning-tree bridge	<b>Command Syntax</b> <code>show spanning-tree bridge [INFO_LEVEL]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>INFO_LEVEL</i> specifies level of information detail provided by the command. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays information in a data table.</li> <li>— <b>detail</b> command displays bridge information in data blocks for each instance.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show spanning-tree interface	show spanning-tree interface	<p><b>Command Syntax</b></p> <pre>show spanning-tree interface <i>INT_NAME</i> [<i>INFO_LEVEL</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INT_NAME</i> Interface type and number. Values include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>peerethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>peerport-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> specifies level of detail provided by the output. Options include: <ul style="list-style-type: none"> <li>— <b>&lt;no parameter&gt;</b> command displays a table of STP data for the specified interface.</li> <li>— <b>detail</b> command displays a data block for the specified interface.</li> </ul> </li> </ul>	No
show spanning-tree mst	show spanning-tree mst	<p><b>Command Syntax</b></p> <pre>show spanning-tree mst [<i>INSTANCE</i>] [<i>INFO_LEVEL</i>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INSTANCE</i> – MST instance for which the command displays information. Options include: <ul style="list-style-type: none"> <li>— <b>&lt;no parameter&gt;</b> all MST instances.</li> <li>— <i>mst_inst</i> MST instance number. Value of <i>mst_inst</i> ranges from 0 to 4094.</li> </ul> </li> <li>• <i>INFO_LEVEL</i> – type and amount of information in the output. Options include: <ul style="list-style-type: none"> <li>— <b>&lt;no parameter&gt;</b> output is interface data in tabular format.</li> <li>— <b>detail</b> output is a data block for each interface.</li> </ul> </li> </ul>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show spanning-tree mst configuration	show spanning-tree mst configuration	<p><b>Command Syntax</b></p> <pre>show spanning-tree mst configuration [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INFO_LEVEL</b> specifies data provided by the output. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays VLAN-to-instance map.</li> <li>— <b>digest</b> command displays the MST configuration digest.</li> </ul> </li> </ul>	Yes
show spanning-tree mst interface	show spanning-tree mst interface	<p><b>Command Syntax</b></p> <pre>show spanning-tree mst [INSTANCE] interface INT_NAME [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INSTANCE</b> MST instance for which the command displays information. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all MST instances.</li> <li>— <i>mst_inst</i> denotes a single MST instance. Value of <i>mst_inst</i> ranges from 0 to 4094.</li> </ul> </li> <li>• <b>INT_NAME</b> Interface type and number. Values include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>peerethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> <li>— <b>peerport-channel</b> <i>p_num</i> Port-channel interface specified by <i>p_num</i>.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> specifies level of detail provided by the output. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command displays a table of STP instance data for the specified interface</li> <li>— <b>detail</b> command displays a data block for all specified instance-interface combinations.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show spanning-tree root	show spanning-tree root	<p><b>Command Syntax</b></p> <pre>show spanning-tree root [INFO_LEVEL]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>INFO_LEVEL</i> specifies output format. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; output displays data in tabular format.</li> <li>— <b>detail</b> output displays a data block for each instance.</li> </ul> </li> </ul>	Yes
show storm-control	show storm-control	<p><b>Command Syntax</b></p> <pre>show storm-control [INT_NAME]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• &lt;no parameter&gt; Command returns data for all interfaces configured for storm control.</li> <li>• <i>INT_NAME</i> interface type and port range. Settings include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_range</i> Ethernet interfaces that <i>e_range</i> denotes.</li> <li>— <b>port-channel</b> <i>p_range</i> Port channel interfaces that <i>p_range</i> denotes.</li> </ul> </li> </ul> <p>When storm control commands exist for a port-channel and an Ethernet port that is a member of the port channel, the command for the port-channel takes precedence.</p> <p>Valid <i>range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</p>	Yes
show tacacs	show tacacs	<p><b>Command Syntax</b></p> <pre>show tacacs</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show track	show track	<p><b>Command Syntax</b>  <code>show track [OBJECT] [INFO_LEVEL]</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>OBJECT</b> tracked object for which information is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays information for all tracked objects configured on the switch.</li> <li>— <i>object_name</i> displays information for the specified object.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> amount of information that is displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays complete information including object status, number of status changes, time since last change, and client process tracking the object (if any).</li> <li>— <b>brief</b> displays brief list of all tracked objects and their current status.</li> </ul> </li> </ul>	Yes
show user-account	show user-account	<p><b>Command Syntax</b>  <code>show user-account</code></p>	Yes
show users	show users	<p><b>Command Syntax</b>  <code>show users</code></p>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show version	show version	<p><b>Command Syntax</b></p> <p><code>show version [INFO_LEVEL]</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INFO_LEVEL</b> Specifies information the command displays. Options include <ul style="list-style-type: none"> <li>— <code>&lt;no parameter&gt;</code> Model and serial numbers, manufacturing data, uptime, and memory.</li> <li>— <b>detail</b> Data listed <i>&lt;no parameter&gt;</i> option plus version numbers of internal components.</li> </ul> </li> </ul>	Yes
show vlan	show vlan	<p><b>Command Syntax</b></p> <p><code>show vlan [VLAN_LIST] [PORT_ACTIVITY]</code></p> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VLAN_LIST</b> List of VLANs displayed by command. Options include: <ul style="list-style-type: none"> <li>— <code>&lt;no parameter&gt;</code> all VLANs.</li> <li>— <i>v_range</i> VLANs specified by <i>v_range</i>.</li> <li>— <b>id v_range</b> VLANs specified by <i>v_range</i>.</li> <li>— <b>name v_name</b> VLANs specified by the VLAN name <i>v_name</i>.</li> </ul> <i>v_range</i> formats include number, number range, or comma-delimited list of numbers and ranges.</li> <li>• <b>PORT_ACTIVITY</b> Ports listed in table. Options include: <ul style="list-style-type: none"> <li>— <code>&lt;no parameter&gt;</code> table displays only active ports (same as <b>active-configuration</b> option).</li> <li>— <b>active-configuration</b> table displays only active ports.</li> <li>— <b>configured-ports</b> table displays all configured ports.</li> </ul> </li> </ul> <p><b>Display Values</b></p> <ul style="list-style-type: none"> <li>• <b>VLAN</b> The VLAN ID.</li> <li>• <b>Name</b> The name of the VLAN.</li> <li>• <b>Status</b> The status of the VLAN.</li> <li>• <b>Ports</b> The ports that are members of the VLAN.</li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
show vlan private-vlan	show vlan private-vlan	<b>Command Syntax</b> <code>show vlan private-vlan</code>	Yes
show vlan summary	show vlan summary	<b>Command Syntax</b> <code>show vlan summary</code>	Yes
show vrf	show vrf	<b>Command Syntax</b> <code>show vrf [VRF_INSTANCE]</code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>VRF_INSTANCE</i> specifies the VRF instance to display. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; information is displayed for all VRFs.</li> <li>— <i>vrf vrf_name</i> information is displayed for the specified user-defined VRF.</li> </ul> </li> </ul>	Yes



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
show vrrp	show vrrp	<p><b>Command Syntax</b></p> <pre>show vrrp [INFO_LEVEL] [STATES] show vrrp INTF [GROUP_NUM] [INFO_LEVEL] [STATES] show vrrp GROUP_NUM INTF_GROUP [INFO_LEVEL] [STATES]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>INTF</b> specifies the VRRP groups for which the command displays status. When the parameter is omitted or specifies only an interface, the group list is filtered by the <b>STATES</b> parameter. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; specified groups on all interfaces.</li> <li>— <b>interface ethernet</b> <i>e_num</i> specified groups on Ethernet interface.</li> <li>— <b>interface loopback</b> <i>l_num</i> specified groups on loopback interface.</li> <li>— <b>interface management</b> <i>m_num</i> specified groups on management interface.</li> <li>— <b>interface port-channel</b> <i>p_num</i> specified groups on port channel interface.</li> <li>— <b>interface vlan</b> <i>v_num</i> specified groups on VLAN interface.</li> <li>— <b>interface vxlan</b> <i>vx_num</i> specified groups on VXLAN interface.</li> </ul> </li> <li>• <b>GROUP_NUM</b> the VRRP ID number of the group for which the command displays status. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; all groups on specified interface.</li> <li>— <i>vrid_num</i> virtual router identifier (VRID). Value ranges from 1 to 255.</li> </ul> </li> <li>• <b>INFO_LEVEL</b> Specifies format and amount of displayed information. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays a block of data for each VRRP group.</li> <li>— <b>brief</b> displays a single table that lists information for all VRRP groups.</li> </ul> </li> <li>• <b>STATES</b> Specifies the groups, by VRRP router state, that are displayed. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; displays data for groups in the <i>master</i> or <i>backup</i> states.</li> <li>— <b>all</b> displays all groups, including groups in the <i>stopped</i> and <i>interface down</i> states.</li> </ul> </li> </ul>	Yes

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp trap link-status	snmp trap link-status	<b>Command Syntax</b> snmp trap link-status no snmp trap link-status default snmp trap link-status	Yes
snmp-server chassis-id	snmp-server chassis-id	<b>Command Syntax</b> snmp-server chassis-id <i>id_text</i> no snmp-server chassis-id default snmp-server chassis-id  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>id_text</i> chassis ID string</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server community	snmp-server community	<p><b>Command Syntax</b></p> <pre>snmp-server community string_text [MIB_VIEW] [ACCESS] [ACL_NAMES] no snmp-server community string_text default snmp-server community string_text</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>string_text</i> community access string.</li> <li>• <i>MIB_VIEW</i> community access availability. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; community string allows access to all objects.</li> <li>— <b>view</b> <i>view_name</i> community string allows access only to objects in the <i>view_name</i> view.</li> </ul> </li> <li>• <i>ACCESS</i> community access availability. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; read-only access (default setting).</li> <li>— <b>ro</b> read-only access.</li> <li>— <b>rw</b> read-write access.</li> </ul> </li> <li>• <i>ACL_NAMES</i> community access availability. Options include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; community string allows access to all objects.</li> <li>— <i>list_v4</i> IPv4 ACL list.</li> <li>— <b>ipv6</b> <i>list_v6</i> IPv6 ACL list.</li> <li>— <b>ipv6</b> <i>list_v6 list_v4</i> IPv4 and IPv6 ACL list.</li> </ul> </li> </ul>	No
snmp-server contact	snmp-server contact	<p><b>Command Syntax</b></p> <pre>snmp-server contact contact_string no snmp-server contact default snmp-server contact</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>contact_string</i> system contact string.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server enable traps	snmp-server enable traps	<p><b>Command Syntax</b></p> <pre>snmp-server enable traps [trap_type] no snmp-server enable traps [trap_type] default snmp-server enable traps [trap_type]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>trap_type</i> controls the generation of informs or traps for the specified MIB: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; controls notifications for MIBs not covered by specific commands.</li> <li>— <b>entity</b> controls entity-MIB modification notifications.</li> <li>— <b>lldp</b> controls LLDP notifications.</li> <li>— <b>msdpBackwardTransition</b> controls msdpBackwardTransition notifications.</li> <li>— <b>msdpEstablished</b> controls msdpEstablished notifications.</li> <li>— <b>snmp</b> controls SNMP-v2 notifications.</li> <li>— <b>switchover</b> controls switchover notifications.</li> <li>— <b>snmpConfigManEvent</b> controls snmpConfigManEvent notifications.</li> <li>— <b>test</b> controls test traps.</li> </ul> </li> </ul>	Yes
snmp-server engineID local	snmp-server engineID local	<p><b>Command Syntax</b></p> <pre>snmp-server engineID local engine_hex no snmp-server engineID local default snmp-server engineID</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>engine_hex</i> the switch's name for the local SNMP engine (hex string). The string must consist of at least ten characters with a maximum of 64 characters.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server engineID remote	snmp-server engineID remote	<p><b>Command Syntax</b></p> <pre>snmp-server engineID remote engine_addr [<b>PORT</b>] engine_hex no snmp-server engineID remote engine_addr [<b>PORT</b>] default snmp-server engineID remote engine_addr [<b>PORT</b>]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>engine_addr</i> location of remote engine (IP address or host name).</li> <li>• <i>PORT</i> udp port location of the remote engine. Options include: <ul style="list-style-type: none"> <li>— &lt;No parameter&gt; port number 161 (default).</li> <li>— <b>udp-port</b> <i>port_num</i> port number. Ranges from 0 to 65535.</li> </ul> </li> <li>• <i>engine_hex</i> the switch's name for the remote SNMP engine (hex string). The string must have at least ten characters and can contain a maximum of 64 characters.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server group	snmp-server group	<p><b>Command Syntax</b></p> <pre>snmp-server group group_name VERSION [CNTX] [READ] [WRITE] [NOTIFY] no snmp-server group group_name VERSION default snmp-server group group_name VERSION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>group_name</i> the name of the group.</li> <li>• <i>VERSION</i> the security model utilized by the group. <ul style="list-style-type: none"> <li>— <b>v1</b> SNMPv1. Uses a community string match for authentication.</li> <li>— <b>v2c</b> SNMPv2c. Uses a community string match for authentication.</li> <li>— <b>v3 no auth</b> SNMPv3. Uses a username match for authentication.</li> <li>— <b>v3 auth</b> SNMPv3. HMAC-MD5 or HMAC-SHA authentication.</li> <li>— <b>v3 priv</b> SNMPv3. HMAC-MD5 or HMAC-SHA authentication. AES or DES encryption.</li> </ul> </li> <li>• <i>CNTX</i> associates the SNMP group to an SNMP context. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command does not associate group with an SNMP context.</li> <li>— <b>context</b> <i>context_name</i> associates group with context specified by <i>context_name</i>.</li> </ul> </li> <li>• <i>READ</i> specifies read view for SNMP group. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command does not specify read view.</li> <li>— <b>read</b> <i>read_name</i> read view specified by <i>read_name</i> (string – maximum 64 characters).</li> </ul> </li> <li>• <i>WRITE</i> specifies write view for SNMP group. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command does not specify write view.</li> <li>— <b>write</b> <i>write_name</i> write view specified by <i>write_name</i> (string – maximum 64 characters).</li> </ul> </li> <li>• <i>NOTIFY</i> specifies notify view for SNMP group. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; command does not specify notify view.</li> <li>— <b>notify</b> <i>notify_name</i> notify view specified by <i>notify_name</i> (string – maximum 64 characters).</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server host	snmp-server host	<p><b>Command Syntax</b></p> <pre>snmp-server host host_id [VRF_INST] [MESSAGE] [VERSION] comm_str [PORT] no snmp-server host host_id [VRF_INST] [MESSAGE] [VERSION] comm_str [PORT] default snmp-server host host_id [VRF_INST] [MESSAGE] [VERSION] comm_str [PORT]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>host_id</i> hostname or IP address of the targeted recipient.</li> <li><i>VRF_INST</i> specifies the VRF instance being modified. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; changes are made to the default VRF.</li> <li><b>vrf</b> <i>vrf_name</i> changes are made to the specified user-defined VRF.</li> </ul> </li> <li><i>MESSAGE</i> message type that is sent to the host. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; sends SNMP traps to host (default).</li> <li><b>informs</b> sends SNMP informs to host.</li> <li><b>traps</b> sends SNMP traps to host.</li> </ul> </li> <li><i>VERSION</i> SNMP version. Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; SNMPv2c (default).</li> <li><b>version 1</b> SNMPv1; option not available with informs.</li> <li><b>version 2c</b> SNMPv2c.</li> <li><b>version 3 noauth</b> SNMPv3; enables user-name match authentication.</li> <li><b>version 3 auth</b> SNMPv3; enables MD5 and SHA packet authentication.</li> <li><b>version 3 priv</b> SNMPv3. HMAC-MD5 or HMAC-SHA authentication. AES or DES encryption.</li> </ul> </li> <li><i>comm_str</i> community string to be sent with the notification as a password. Arista recommends setting this string separately before issuing the <b>snmp-server host</b> command. To set the community string separately, use the <b>snmp-server community</b> command.</li> <li><i>PORT</i> port number of the host. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; socket number set to 162 (default)</li> <li><b>udp-port</b> <i>p-name</i> socket number specified by <i>p-name</i></li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

<b>Asserted Cisco Command Abstraction</b>	<b>Accused Arista Command Abstraction</b>	<b>Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)</b>	<b>Complete Command?</b>
snmp-server location	snmp-server location	<p><b>Command Syntax</b></p> <pre>snmp-server location <i>node_locate</i> no snmp-server location default snmp-server location</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>node_locate</i> system location information (string).</li> </ul>	No
snmp-server source-interface	snmp-server source-interface	<p><b>Command Syntax</b></p> <pre>snmp-server source-interface <i>INTERFACE</i> no snmp-server source-interface default snmp-server source-interface</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>INTERFACE</i> Interface type and number. Values include: <ul style="list-style-type: none"> <li>— <b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li>— <b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li>— <b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li>— <b>port-channel</b> <i>p_num</i> Port-Channel Interface specified by <i>p_num</i>.</li> <li>— <b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> </ul> </li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server user	snmp-server user	<p><b>Command Syntax</b></p> <pre>snmp-server user user_name group_name [AGENT] VERSION [ENGINE] [SECURITY] no snmp-server user user_name group_name [AGENT] VERSION default snmp-server user user_name group_name [AGENT] VERSION</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>user_name</i> name of user.</li> <li><i>group_name</i> name of group to which user is being added.</li> <li><i>AGENT</i> Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; local SNMP agent.</li> <li><b>remote</b> <i>addr</i> [<b>udp-port</b> <i>p_num</i>] remote SNMP agent location.</li> </ul> <i>addr</i> denotes the IP address; <i>p_num</i> denotes the udp port socket. (default port is 162).</li> <li><i>VERSION</i> SNMP version; options include: <ul style="list-style-type: none"> <li><b>v1</b> SNMPv1.</li> <li><b>v2c</b> SNMPv2c.</li> <li><b>v3</b> SNMPv3.</li> </ul> </li> <li><i>ENGINE</i> engine ID used to localize passwords. Available only if <i>VERSION</i> is <b>v3</b>. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; Passwords localized by SNMP copy specified by <i>agent</i>.</li> <li><b>localized</b> <i>engineID</i> octet string of engineID.</li> </ul> </li> <li><i>SECURITY</i> Specifies authentication and encryption levels. Available only if <i>VERSION</i> is <b>v3</b>. Encryption is available only when authentication is configured. <ul style="list-style-type: none"> <li>&lt;no parameter&gt; no authentication or encryption.</li> <li><b>auth</b> <i>a_meth</i> <i>a_pass</i> [<b>priv</b> <i>e_meth</i> <i>e_pass</i>] authentication parameters.</li> </ul> <p><i>a-meth</i> authentication method: options are <b>md5</b> (HMAC-MD5-96) and <b>sha</b> (HMAC-SHA-96).  <i>a-pass</i> authentication string for users receiving packets.  <i>e-meth</i> encryption method: Options are <b>aes</b> (AES-128) and <b>des</b> (CBC-DES).  <i>e-pass</i> encryption string for the users sending packets.</p> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
snmp-server view	snmp-server view	<p><b>Command Syntax</b></p> <pre>snmp-server view view_name family_name INCLUSION no snmp-server view view_name [family_name] snmp-server view view_name [family_name]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>view_name</i> Label for the view record that the command updates. Other commands reference the view with this label.</li> <li>• <i>family_name</i> name of the MIB object or family. MIB objects and MIB subtrees can be identified by name or by the numbers representing the position of the object or subtree in the MIB hierarchy.</li> <li>• <b>INCLUSION</b> inclusion level of the specified family within the view. Options include: <ul style="list-style-type: none"> <li>— <b>include</b> view includes the specified subtree.</li> <li>— <b>exclude</b> view excludes the specified subtree.</li> </ul> </li> </ul>	No
spanning-tree bpdupfilter	spanning-tree bpdupfilter	<p><b>Command Syntax</b></p> <pre>spanning-tree bpdupfilter FILTER_STATUS no spanning-tree bpdupfilter default spanning-tree bpdupfilter</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>FILTER_STATUS</b> BPDU filtering status. Options include: <ul style="list-style-type: none"> <li>— <b>enabled</b> BPDU filter is enabled on the interface.</li> <li>— <b>disabled</b> BPDU filter is disabled on the interface.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
spanning-tree bpduguard	spanning-tree bpduguard	<p><b>Command Syntax</b></p> <pre>spanning-tree bpduguard <i>GUARD_ACTION</i> no spanning-tree bpduguard default spanning-tree bpduguard</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>GUARD_ACTION</i> BPDU guard setting. Options include: <ul style="list-style-type: none"> <li>— <b>disable</b> Disable bpduguard</li> <li>— <b>enable</b> Enable bpduguard</li> <li>— <b>rate-limit</b> BPDU Input Rate Limiter options</li> </ul> </li> </ul>	No
spanning-tree bridge assurance	spanning-tree bridge assurance	<p><b>Command Syntax</b></p> <pre>spanning-tree bridge assurance no spanning-tree bridge assurance default spanning-tree bridge assurance</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
spanning-tree cost	spanning-tree cost	<p><b>Command Syntax</b></p> <pre>spanning-tree <i>MODE</i> cost <i>value</i> no spanning-tree <i>MODE</i> cost default spanning-tree <i>MODE</i> cost</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>MODE</i> specifies the spanning tree instances for which the cost is configured. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; RST instance, MST instance 0, or all Rapid-PVST instances permitted on the interface.</li> <li>— <b>mst</b> <i>m_range</i> specified MST instances. <i>m_range</i> formats include a number, number range, or comma-delimited list of numbers and ranges. Instance numbers range from 0 to 4094.</li> <li>— <b>vlan</b> <i>v_range</i> specified Rapid-PVST instances. <i>v_range</i> formats include a number, number range, or comma-delimited list of numbers and ranges. VLAN numbers range from 1 to 4094.</li> </ul> </li> <li>• <i>value</i> path cost assigned to interface. Values range from 1 to 2000000000 (200 million). Default values are 20000 (1 G interfaces) or 2000 (10 G interfaces).</li> </ul>	No
spanning-tree guard	spanning-tree guard	<p><b>Command Syntax</b></p> <pre>spanning-tree guard <i>PORT_MODE</i> no spanning-tree guard default spanning-tree guard</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>PORT_MODE</i> the port mode. Options include: <ul style="list-style-type: none"> <li>— <b>loop</b> enables loop guard on the interface.</li> <li>— <b>root</b> enables root guard on the interface.</li> <li>— <b>none</b> disables root guard and loop guard.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
spanning-tree link-type	spanning-tree link-type	<b>Command Syntax</b> spanning-tree link-type <i>TYPE</i> no spanning-tree link-type default spanning-tree link-type  <b>Parameters</b> <ul style="list-style-type: none"> <li><i>TYPE</i> link type of the configuration mode interface. Options include:               <ul style="list-style-type: none"> <li>— point-to-point</li> <li>— shared</li> </ul> </li> </ul>	No
spanning-tree loopguard default	spanning-tree loopguard default	<b>Command Syntax</b> spanning-tree loopguard default no spanning-tree loopguard default default spanning-tree loopguard default	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
spanning-tree mode	spanning-tree mode	<p><b>Command Syntax</b></p> <pre>spanning-tree mode VERSION no spanning-tree mode default spanning-tree mode</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>VERSION</b> spanning tree version that the switch runs. Options include: <ul style="list-style-type: none"> <li>— <b>mstp</b> multiple spanning tree protocol described in the IEEE 802.1Q-2005 specification and originally specified in the IEEE 802.1s specification.</li> <li>— <b>rstp</b> rapid spanning tree protocol described in the IEEE 802.1D-2004 specification and originally specified in the IEEE 802.1w specification.</li> <li>— <b>rapid-pvst</b> rapid per-VLAN spanning tree protocol described in the IEEE 802.1D-2004 specification and originally specified in the IEEE 802.1w specification.</li> <li>— <b>backup</b> disables STP and enables switchport interface pairs configured with the <b>switchport backup interface</b> command.</li> <li>— <b>none</b> disables STP. The switch does not generate STP packets. Each switchport interface forwards data packets to all connected ports and forwards STP packets as multicast data packets on the VLAN where they are received.</li> </ul> </li> </ul>	No
spanning-tree mst configuration	spanning-tree mst configuration	<p><b>Command Syntax</b></p> <pre>spanning-tree mst configuration no spanning-tree mst configuration default spanning-tree mst configuration</pre>	Yes

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
spanning-tree portfast bpdufilter default	spanning-tree portfast bpdufilter default	<b>Command Syntax</b> spanning-tree portfast bpdufilter default no spanning-tree portfast bpdufilter default default spanning-tree portfast bpdufilter default	Yes
spanning-tree portfast bpduguard default	spanning-tree portfast bpduguard default	<b>Command Syntax</b> spanning-tree portfast bpduguard default no spanning-tree portfast bpduguard default default spanning-tree portfast bpduguard default	Yes
spanning-tree port-priority	spanning-tree port-priority	<b>Command Syntax</b> spanning-tree [MODE] port-priority value no spanning-tree [MODE] port-priority default spanning-tree [MODE] port-priority  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <b>MODE</b> specifies the spanning tree instances for which the cost is configured. Values include: <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; RST instance or MST instance 0.</li> <li>— <b>mst</b> <i>m_range</i> specified MST instances. <i>m_range</i> formats include a number, number range, or comma-delimited list of numbers and ranges. Instance numbers range from 0 to 4094.</li> <li>— <b>vlan</b> <i>v_range</i> specified Rapid-PVST instances. <i>v_range</i> formats include a number, number range, or comma-delimited list of numbers and ranges. VLAN numbers range from 1 to 4094.</li> </ul> </li> <li>• <b>value</b> bridge priority number. Values range from 0 to 240 and must be a multiple of 16.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
spanning-tree transmit hold-count	spanning-tree transmit hold-count	<p><b>Command Syntax</b></p> <pre>spanning-tree transmit hold-count <i>max_bpdu</i> no spanning-tree transmit hold-count default spanning-tree transmit hold-count</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>max_bpdu</i> BPDU packets. Value ranges from 1 to 10. Default is 6.</li> </ul>	No
spanning-tree vlan	spanning-tree vlan	<p><b>Command Syntax</b></p> <pre>spanning-tree vlan <i>v_range</i> no spanning-tree vlan <i>v_range</i> default spanning-tree vlan <i>v_range</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>v_range</i> VLAN list. Formats include a number, number range, or comma-delimited list of numbers and ranges. VLAN numbers range from 1 to 4094.</li> </ul>	No
spf-interval	spf-interval	<p><b>Command Syntax</b></p> <pre>spf-interval <i>period</i> no spf-interval default spf-interval</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>period</i> Value ranges from 1 through 300. Default interval is 2 seconds.</li> </ul>	No



## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
statistics per-entry	statistics per-entry (ACL configuration modes)	<b>Command Syntax</b> <code>statistics per-entry</code> <code>no statistics per-entry</code> <code>default statistics per-entry</code>	Yes
storm-control	storm-control	<b>Command Syntax</b> <code>storm-control <i>MODE</i> level <i>threshold</i></code> <code>no storm-control <i>mode</i></code> <code>default storm-control <i>mode</i></code>  <b>Parameters</b> <ul style="list-style-type: none"> <li>• <i>MODE</i> packet transmission type. Options include: <ul style="list-style-type: none"> <li>— all</li> <li>— broadcast</li> <li>— multicast</li> </ul> </li> <li>• <i>threshold</i> Inbound packet level that triggers storm control, as a percentage of port capacity. Value ranges from 1 to 100. Storm control is suppressed by a level of 100.</li> </ul> <p>The configured value differs from the programmed threshold in that the hardware accounts for Interframe Gaps (IFG) based on the minimum packet size. The <a href="#">show storm-control</a> command displays the broadcast or multicast rate after this adjustment.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
switchport access vlan	switchport access vlan	<p><b>Command Syntax</b></p> <pre>switchport access vlan v_num no switchport access vlan default switchport access vlan</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>v_num</i> number of access VLAN. Value ranges from 1 to 4094. Default is 1.</li> </ul>	No
switchport backup interface	switchport backup interface	<p><b>Command Syntax</b></p> <pre>switchport backup interface INT_NAME [BALANCE] no switchport backup interface default switchport backup interface</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>INT_NAME</i> the backup interface. Options include: <ul style="list-style-type: none"> <li><b>ethernet</b> <i>e_num</i> Ethernet interface specified by <i>e_num</i>.</li> <li><b>loopback</b> <i>l_num</i> Loopback interface specified by <i>l_num</i>.</li> <li><b>management</b> <i>m_num</i> Management interface specified by <i>m_num</i>.</li> <li><b>port-channel</b> <i>p_num</i> Channel group interface specified by <i>p_num</i>.</li> <li><b>vlan</b> <i>v_num</i> VLAN interface specified by <i>v_num</i>.</li> <li><b>vxlan</b> <i>vx_num</i> VXLAN interface specified by <i>vx_num</i>.</li> </ul> </li> <li><b>BALANCE</b> VLANs whose traffic is normally handled on the backup interfaces. Values include: <ul style="list-style-type: none"> <li><b>&lt;no parameter&gt;</b> backup interface handles no traffic if the primary interface is operating.</li> <li><b>prefer vlan</b> <i>v_range</i> list of VLANs whose traffic is handled by backup interface.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
switchport mode	switchport mode	<p><b>Command Syntax</b></p> <pre>switchport mode <i>MODE_TYPE</i> no switchport mode default switchport mode</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>MODE_TYPE</i> switching mode of the configuration mode interfaces. Options include: <ul style="list-style-type: none"> <li>— <b>access</b> access switching mode.</li> <li>— <b>dot1q-tunnel</b> dot1q-tunnel switching mode.</li> <li>— <b>tap</b> tap switching mode.</li> <li>— <b>tool</b> tool switching mode.</li> <li>— <b>trunk</b> trunk switching mode.</li> </ul> </li> </ul>	No
switchport port-security	switchport port-security	<p><b>Command Syntax</b></p> <pre>switchport port-security no switchport port-security default switchport port-security</pre>	Yes
switchport port-security maximum	switchport port-security maximum	<p><b>Command Syntax</b></p> <pre>switchport port-security maximum <i>max_addr</i> no switchport port-security maximum default switchport port-security maximum</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>max_addr</i> maximum number of MAC addresses. Value ranges from 1 to 1000. Default value is 1.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
switchport private-vlan mapping	switchport private-vlan mapping	<p><b>Command Syntax</b></p> <pre>switchport private-vlan mapping <i>EDIT_ACTION</i> no switchport private-vlan mapping default switchport private-vlan mapping</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>EDIT_ACTION</i> modifications to the VLAN list. <ul style="list-style-type: none"> <li>— <i>v_range</i> Creates VLAN list from <i>v_range</i>.</li> <li>— <b>add</b> <i>v_range</i> Adds specified VLANs to current list.</li> <li>— <b>remove</b> <i>v_range</i> VLAN list contains all VLANs except those specified.</li> </ul> </li> </ul> <p>Valid <i>v_range</i> formats include number, range, or comma-delimited list of numbers and ranges.</p>	No
switchport trunk allowed vlan	switchport trunk allowed vlan	<p><b>Command Syntax</b></p> <pre>switchport trunk allowed vlan <i>EDIT_ACTION</i> no switchport trunk allowed vlan default switchport trunk allowed vlan</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>EDIT_ACTION</i> modifications to the VLAN list. <ul style="list-style-type: none"> <li>— <i>v_range</i> Creates VLAN list from <i>v_range</i>.</li> <li>— <b>add</b> <i>v_range</i> Adds specified VLANs to current list.</li> <li>— <b>all</b> VLAN list contains all VLANs.</li> <li>— <b>except</b> <i>v_range</i> VLAN list contains all VLANs except those specified.</li> <li>— <b>none</b> VLAN list is empty (no VLANs).</li> <li>— <b>remove</b> <i>v_range</i> Removes specified VLANs from current list.</li> </ul> </li> </ul> <p>Valid <i>v_range</i> formats include number, range, or comma-delimited list of numbers and ranges.</p>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
switchport trunk native vlan	switchport trunk native vlan	<p><b>Command Syntax</b></p> <pre>switchport trunk native vlan <i>VLAN_ID</i> no switchport trunk native vlan default switchport trunk native vlan</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>VLAN_ID</i> the ID of the native VLAN. Options include <ul style="list-style-type: none"> <li>— <i>v_num</i> VLAN number. Value ranges from 1 to 4094</li> <li>— <i>tag</i> interface drops all untagged frames.</li> </ul> </li> </ul>	No
switchport vlan mapping	switchport vlan mapping	<p><b>Command Syntax</b></p> <pre>switchport vlan mapping [<i>DIRECTION</i>] <i>source_vlan</i> <i>dest_vlan</i> no switchport vlan mapping <i>source_vlan</i> <i>dest_vlan</i> no switchport vlan mapping <i>DIRECTION</i> <i>source_vlan</i> default switchport vlan mapping <i>source_vlan</i> <i>dest_vlan</i> default switchport vlan mapping <i>DIRECTION</i> <i>source_vlan</i></pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>DIRECTION</i> transmission direction of traffic to be mirrored. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; mirrors transmitted and received traffic.</li> <li>— <i>in</i> mirrors received traffic only.</li> <li>— <i>out</i> mirrors transmitted traffic only.</li> </ul> </li> <li>• <i>source_vlan</i> Source VLAN. Value ranges from 1 to 4094.</li> <li>• <i>dest_vlan</i> Source VLAN. Value ranges from 1 to 4094.</li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
tacacs-server host	tacacs-server host	<p><b>Command Syntax</b></p> <pre>tacacs-server host SERVER_ADDR [MULTIPLEX] [VRF_INST] [PORT] [TIMEOUT] [ENCRYPT] no tacacs-server host [SERVER_ADDR] [MULTIPLEX] [VRF_INST] [PORT] default tacacs-server host [SERVER_ADDR] [MULTIPLEX] [VRF_INST] [PORT]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <b>SERVER_ADDR</b> TACACS+ server location. Options include: <ul style="list-style-type: none"> <li>— <i>ipv4_addr</i> server's IPv4 address.</li> <li>— <i>ipv6_addr</i> server's IPv6 address.</li> <li>— <i>host_name</i> server's DNS host name (FQDN).</li> </ul> </li> <li>• <b>MULTIPLEX</b> TACACS+ server support of multiplex sessions on a TCP connection. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; server does not support multiplexing.</li> <li>— <b>single-connection</b> server supports session multiplexing.</li> </ul> </li> <li>• <b>VRF_INST</b> specifies the VRF instance used to communicate with the specified server. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; switch communicates with the server using the default VRF.</li> <li>— <b>vrf vrf_name</b> switch communicates with the server using the specified user-defined VRF.</li> </ul> </li> <li>• <b>PORT</b> port number of the TCP connection. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; default port of 49.</li> <li>— <b>port number</b> port number ranges from 1 to 65535.</li> </ul> </li> <li>• <b>TIMEOUT</b> timeout period (seconds). <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns the globally configured timeout value (see <a href="#">tacacs-server timeout</a>).</li> <li>— <b>timeout number</b> timeout period (seconds). <i>number</i> ranges from 1 to 1000.</li> </ul> </li> <li>• <b>ENCRYPT</b> encryption key the switch and server use to communicate. Settings include <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; assigns the globally configured encryption key (see <a href="#">tacacs-server key</a>).</li> <li>— <b>key key_text</b> where <i>key_text</i> is in clear text.</li> <li>— <b>key 5 key_text</b> where <i>key_text</i> is in clear text.</li> <li>— <b>key 7 key_text</b> where <i>key_text</i> is an encrypted string.</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
tacacs-server key	tacacs-server key	<p><b>Command Syntax</b></p> <pre>tacacs-server key [ENCRYPT_TYPE] encrypt_key no tacacs-server key default tacacs-server key</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>ENCRYPT_TYPE</i> encryption level of <i>encrypt_key</i>. <ul style="list-style-type: none"> <li>— &lt;no parameter&gt; encryption key is entered as clear text.</li> <li>— 0 encryption key is entered as clear text. Equivalent to &lt;no parameter&gt;.</li> <li>— 7 <i>encrypt_key</i> is an encrypted string.</li> </ul> </li> <li>• <i>encrypt_key</i> shared key that authenticates the username. <ul style="list-style-type: none"> <li>— <i>encrypt_key</i> must be in clear text if <i>ENCRYPT_TYPE</i> specifies clear text.</li> <li>— <i>encrypt_key</i> must be an encrypted string if <i>ENCRYPT_TYPE</i> specifies an encrypted string.</li> </ul> </li> </ul> <p>Encrypted strings entered through this parameter are generated elsewhere.</p>	No
tacacs-server timeout	tacacs-server timeout	<p><b>Command Syntax</b></p> <pre>tacacs-server timeout time_period no tacacs-server timeout default tacacs-server timeout</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>time_period</i> timeout period (seconds). Settings range from 1 to 1000. Default is 5.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
terminal length	terminal length	<b>Command Syntax</b> <pre>terminal length lines no terminal length default terminal length</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>lines</i> number of lines to be displayed at a time. Values range from 0 through 32767. A value of 0 disables pagination.</li> </ul>	No
terminal monitor	terminal monitor	<b>Command Syntax</b> <pre>terminal monitor no terminal monitor default terminal monitor</pre>	Yes
timers basic (RIP)	timers basic (RIP)	<b>Command Syntax</b> <pre>timers basic update_time expire_time deletion_time no timers basic default timers basic</pre> <b>Parameters</b> <ul style="list-style-type: none"> <li><i>update_time</i> Default is 30 seconds</li> <li><i>expire_time</i> Default is 180 seconds.</li> <li><i>deletion_time</i> Default is 120 seconds.</li> </ul> <p>Parameter values are in seconds and range from 5 to 2147483647.</p>	No



**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
timers bgp	timers bgp	<p><b>Command Syntax</b></p> <pre>timers bgp keep_alive hold_time no timers bgp default timers bgp</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>keep_alive</i> keepalive period, in seconds. Values include <ul style="list-style-type: none"> <li>— 0 keepalive messages are not sent</li> <li>— 1 to 3600 keepalive time (seconds).</li> </ul> </li> <li>• <i>hold_time</i> hold time. Values include <ul style="list-style-type: none"> <li>— 0 peering is not disabled by timeout expiry; keepalive packets are not sent.</li> <li>— 3 to 7200 hold time (seconds).</li> </ul> </li> </ul>	No
timers lsa arrival	timers lsa arrival (OSPFv2)	<p><b>Command Syntax</b></p> <pre>timers lsa arrival lsa_time no timers lsa arrival default timers lsa arrival</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li>• <i>lsa_time</i></li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
timers throttle lsa all	timers throttle lsa all (OSPFv2)	<p><b>Command Syntax</b></p> <pre>timers throttle lsa all initial_delay min_hold max_wait no timers throttle lsa all default timers throttle lsa all</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>initial_delay</i> Value ranges from 0 to 600000 (ms). Default is 1000.</li> <li><i>min_hold</i> Value ranges from 0 to 600000 (ms). Default is 5000.</li> <li><i>max_wait</i> Value ranges from 0 to 600000 (ms). Default is 5000.</li> </ul>	No
timers throttle spf	timers throttle spf (OSPFv2)	<p>Not in Arista User Manual v.4.15.3F.</p> <p>Appears in Arista User Manual 4.14.3F (Oct. 2014) (CSI-CLI-00018146) with the syntax:</p> <pre>timers throttle spf initial_delay min_hold max_wait</pre>	?

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
username sshkey	username sshkey	<p><b>Command Syntax</b></p> <pre>username name sshkey KEY no username name sshkey [role] default username name sshkey [role]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>name</i> username text that the user enters at the login prompt to access the CLI. Valid usernames begin with A-Z, a-z, or 0-9 and may also contain any of these characters:  <div style="text-align: center;">           @ # \$ % ^ &amp; * - _ =            + ; &lt; &gt; , . ~           </div> </li> <li><i>KEY</i> SSH key. Options include:           <ul style="list-style-type: none"> <li><i>key_text</i> username is associated with ssh key specified by <i>key_text</i> string.</li> <li><i>file key_file</i> username is associated with ssh key in the specified file.</li> </ul> </li> </ul>	No
vlan internal allocation policy	vlan internal allocation policy	<p><b>Command Syntax</b></p> <pre>vlan internal allocation policy DIRECTION [RANGE_VLAN] no vlan internal allocation policy default vlan internal allocation policy</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>DIRECTION</i> VLAN allocation number direction. Options include:           <ul style="list-style-type: none"> <li><i>ascending</i> allocates internal VLANs from lower VLAN bound to upper VLAN bound.</li> <li><i>descending</i> allocates internal VLAN from upper VLAN bound to lower VLAN bound.</li> </ul> </li> <li><i>RANGE_VLAN</i> allocation range. Options include:           <ul style="list-style-type: none"> <li><i>&lt;no parameter&gt;</i> 1006 (lower bound) to 4094 (upper bound).</li> <li><i>range lower upper</i> specifies lower bound (<i>lower</i>) and upper bound (<i>upper</i>).</li> </ul> </li> </ul>	No

## APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
vrf definition	vrf definition	<p><b>Command Syntax</b></p> <pre>vrf definition vrf_name no vrf definition vrf_name default vrf definition vrf_name</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>vrf_name</i> Name of VRF being created, deleted or configured. The names “main” and “default” are reserved.</li> </ul>	No
vrf forwarding	vrf forwarding	<p><b>Command Syntax</b></p> <pre>vrf forwarding vrf_name no vrf forwarding [vrf_name] default vrf forwarding [vrf_name]</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>vrf_name</i> name of configured VRF.</li> </ul>	No
vrrp authentication	vrrp authentication	<p><b>Command Syntax</b></p> <pre>vrrp group authentication AUTH_PARAMETER no vrrp group authentication default vrrp group authentication</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group</i> virtual router identifier (VRID). Values range from 1 to 255.</li> <li><i>AUTH_PARAMETER</i> encryption level and authentication key used by router. Options include: <ul style="list-style-type: none"> <li><b>text</b> <i>text_key</i> plain-text authentication, <i>text_key</i> is text.</li> <li><i>text_key</i> plain-text authentication, <i>text_key</i> is text.</li> <li><b>ietf-md5 key-string 0</b> <i>text_key</i> IP authentication of MD5 key hash, <i>text_key</i> is text.</li> <li><b>ietf-md5 key-string</b> <i>text_key</i> IP authentication of MD5 key hash, <i>text_key</i> is text.</li> <li><b>ietf-md5 key-string 7</b> <i>coded_key</i> IP authentication of MD5 key hash, <i>coded_key</i> is MD5 hash.</li> </ul> </li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
vrrp delay reload	vrrp delay reload	<p><b>Command Syntax</b></p> <pre>vrrp group delay reload [INTERVAL] no vrrp group delay reload default vrrp group delay reload</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>INTERVAL</b> The number of seconds for the delay (seconds). Options include: <ul style="list-style-type: none"> <li>&lt;no parameter&gt; Default value of 0 seconds.</li> <li>&lt;0 to 3600&gt; Ranges between 0 and 60 minutes.</li> </ul> </li> </ul>	No
vrrp description	vrrp description	<p><b>Command Syntax</b></p> <pre>vrrp group description label_text no vrrp group description default vrrp group description</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>group</b> virtual router identifier (VRID). Values range from 1 to 255.</li> <li><b>label_text</b> text that describes the virtual router. Maximum string length is 80 characters.</li> </ul>	No
vrrp ip	vrrp ip	<p><b>Command Syntax</b></p> <pre>vrrp group ip ipv4_address no vrrp group ip ipv4_address default vrrp group ip ipv4_address</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><b>group</b> virtual router identifier (VRID). Values range from 1 to 255.</li> <li><b>ipv4_address</b> IPv4 address of the virtual router.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
vrrp ip secondary	vrrp ip secondary	<p><b>Command Syntax</b></p> <pre>vrrp group ip ipv4_addr secondary no vrrp group ip ipv4_addr secondary default vrrp group ip ipv4_addr secondary</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group</i> virtual router identifier (VRID). Values range from 1 to 255.</li> <li><i>ipv4_addr</i> secondary IPv4 address of the virtual router.</li> </ul>	No
vrrp preempt	vrrp preempt	<p><b>Command Syntax</b></p> <pre>vrrp group preempt no vrrp group preempt default vrrp group preempt</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group</i> virtual router identifier (VRID). Values range from 1 to 255.</li> </ul>	No
vrrp priority	vrrp priority	<p><b>Command Syntax</b></p> <pre>vrrp group priority level no vrrp group priority default vrrp group priority</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group</i> virtual router identifier (VRID). Values range from 1 to 255.</li> <li><i>level</i> priority setting for the specified virtual router. Values range from 1 to 254.</li> </ul>	No

**APPENDIX N – Comparison of Command Abstractions to Actual Documented EOS Command Syntax**

Asserted Cisco Command Abstraction	Accused Arista Command Abstraction	Actual Documented Arista EOS Command Syntax (Arista EOS version 4.15.3F) (CSI-CLI-06302874)	Complete Command?
vrrp shutdown	vrrp shutdown	<p><b>Command Syntax</b></p> <pre>vrrp group shutdown no vrrp group shutdown default vrrp group shutdown</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group</i> virtual router identifier (VRID). Values range from 1 to 255.</li> </ul>	No
vrrp timers advertise	vrrp timers advertise	<p><b>Command Syntax</b></p> <pre>vrrp group timers advertise adv_time no vrrp group timers advertise default vrrp group timers advertise</pre> <p><b>Parameters</b></p> <ul style="list-style-type: none"> <li><i>group</i> virtual router identifier (VRID). Values range from 1 to 255.</li> <li><i>adv_time</i> advertisement interval (seconds). Values range from 1 to 255. Default value is 1.</li> </ul>	No